

EXECUTIVE SUMMARY

(Reformatted & Revised LMO Permit Application)

Prepared October 15, 2001

Mine Name: Leamington Mine
Operator: Ash Grove Cement Company
P.O. Box 51
Nephi, Utah 84648

Telephone: 435-857-1212
Contact Person: Duane Crutchfield

Mine I.D.# - M/023/004
County: Juab
New/Existing: Existing
Mineral Ownership: Private
Surface Ownership: Private
Lease No.(s): N/A
Permit Term: Life of mine

This document reflects the information submitted by Ashgrove Cement to revise and update their mine plan currently permitted at 273 acres. The mine plan has been updated to reflect a life of mine permit and final reclamation plan and bond.

Life of Mine: The mine is scheduled to operate as long as economic conditions remain viable disturbing approximately 669 acres in 62 years.

Legal Description: Located in all or part of Sections 32, 33, and 34, Township 14 South, Range 3 West and part of Sections 3, 4 and 5, Township 15 South, Range 3 West. The Plant and Quarry are located on the Champlin Peak, Utah U.S. Geological Survey 7.5' Series Topographic Map.

Mineral(s) to be Mined: The Quarry produces 975,000 tons of limestone and 14,000 tons of shale annually

Acres to be Disturbed: The total acreage to be affected is 669 acres or approximately 11 acres per year over the life of the mine.

Present Land Use: The present land use is industrial/commercial for the disturbed areas and rangeland for undisturbed lands within the Proposed Permit Boundary.

Postmining Land Use: The post-mining land use for all disturbed lands is rangeland, which includes livestock, grazing and use by wildlife.

Variances from Reclamation Standards (Rule R647) Granted: R647-4-107.5 Soils: Most soils on the permit area are too thin or occur on slopes that are too steep and/or rocky to salvage. The operator will use acceptable plant growth materials (either created or from a borrow area) to assure revegetation success. R647-4-111.7 – Highwalls: Allowed to remain at slopes steeper than 45 degrees. Highwalls that will be completed in limestone will be allowed to remain with slopes of 2v:1h (approximately 63 degrees). All highwalls that are not completed in limestone will be left with slopes of 2h:1v (45 degrees) or less. Signs will be placed warning of the highwall hazard. Public access on the private land will be restricted. R647-4-111.8 – Roads and Pads: Two short road segments will remain after mining. These roads will be reduced to an overall width of 12 feet during final reclamation.

Soils and Geology

Soil Description: Soils are classified as an upland shallow loam. Taxonomic units include Amtoft Stony Loam, Lodar Gravelly Loam, Lundy Gravelly Loam and Reywat Cobbly Loam. Soil thickness ranges from outcrop to 20 inches over bedrock. About 50 percent of the surface is covered with rock fragments.

pH: Ranges from 7.4 to 9 ph units.

Special Handling Problems: Steep slopes are difficult to harvest soil from. Soil will only be salvaged where it can be done safely. Most of the area does not have sufficient soils, or is too steep to safely salvage soil from.

Geology Description: Rock units of interest, Tintic Quartzsite [silica] and the Ophir Formation (limestone and shale), have a Cambrian Age (550-600 million years). Stratigraphically, the Tintic Quartzite underlies the Ophir Formation. Overlying the Ophir Formation is an unnamed dolomitic formation. The current quarry operations are in the Ophir Formation. Four limestone units and three calcareous shales constitute the limestone and shale reserves.

Hydrology

Ground Water Description: The current ground water levels are below the final elevation of the pit and drill holes in the area do not typically encounter appreciable amounts of water. In the bottomland near the Sevier River, an aquifer has been located and a well has been developed for process water and domestic water. This well is located at a surface elevation of 4,828 (top of casing). The water level in the well is measured on a quarterly basis. The water varies from 53 feet below the top of the casing (4,775 feet above sea level) to 45 feet below the top of the casing (4,783 feet above sea level). The elevation of the final pit floor will be 5,220.

Surface Water Description: The surface water is strictly ephemeral in nature. Any surface water runoff from the disturbed areas is treated in sediment ponds and allowed to evaporate. The site falls under a "Total Containment" status with the Division of Water Quality. All sediment ponds will be reclaimed upon final closure and diversions made to free drain safely to the Sevier River. No mining will occur within the Sevier River floodplain.

Water Monitoring Plan: Any wells on the property are monitored on a quarterly basis for water level and all ponds are total containment and do not discharge.

Ecology

Vegetation Type(s); Dominant Species: Sagebrush, and Pinyon/juniper vegetation types dominate this site. Dominant species include bluebunch wheatgrass, indian ricegrass, wild buckwheat, black sagebrush, juniper, mountain mahogany.

Percent Surrounding Vegetative Cover: 42 %

Wildlife Concerns: None. A Biological Assessment for threatened, endangered, and proposed species conducted by the USFS in 1994 concluded the operation will have no impact on T & E Species or their habitats.

Surface Facilities: The plant site contains cement manufacturing equipment capable of processing approximately 975,000 tons of limestone and 14,000 to of shale annually. The final product from the manufacturing process is then stored in silos. These silos are located in an area which allows for shipment offsite by either over-the-road trucks or by rail. All surface facilities located at the site will be removed during final reclamation.

Mining and Reclamation Plan Summary:

During Operations:

Mining operations include drilling, blasting, loading broken rock, transportation of rock, crushing rock, and rock storage. Limestone, after being pulverized, is blended with other raw materials to produce kiln feed for the manufacture of Portland cement. All mining operations are conducted using conventional mining equipment,

including drills, 100 ton haul trucks, dozers, grader, trackhoe, loaders, feeder breakers, belt conveyors and a stacker/reclaimer. The total resource recovery for the life of mine is estimated to be approximately 75 million tons. The quarry life is estimated at 62 years. Approximately 1,200,000 tons of limestone are scheduled to be recovered each year. About 1.1 million tons of waste shale will be disposed of both in a waste pile and in the mined out quarry. The proposed quarrying operation will disturb approximately 118 acres for removal of the limestone and shale. Additionally, other lands will be disturbed for the construction of roads, ponds, and mining facilities. A total of 669 acres are included in the proposed Life-of-Quarry disturbance limit. Soils will only be salvaged from areas where it is practical and can be done in a safe manner due to the steep topography.

After Operations:

All roads except for the loop that extends north from Highway 132 to the railroad (the north road – 1.2 acres) and a road that extends south from Highway 132 to the quarry (the South road – 4 acres) will be removed, ripped and reclaimed. During the process of mining, a heavy chain will be dragged across the highwall face to remove any loose debris. A three foot high berm will be constructed on the edge of the bench below the highwall to catch any debris. Once the highwall or end wall has been stabilized it will not be disturbed any further. All surface water diversion structures and sediment ponds will be removed and the areas reclaimed. The proposed waste rock stockpile will be constructed at a stable slope of 30 degrees. It will be revegetated with an approved seed mix. All features such as buildings, roads (except for the two discussed above), pads, or other structures will be removed and the areas reclaimed during the final reclamation process. Disturbed areas, except for barren rock highwalls, will be graded, stabilized and have topsoil replaced at a 6" depth, and amended with 5 ton per acre of composted manure. Areas not receiving 6 inches of topsoil will have suitable plant growth materials (fines) applied and amended with ten ton per acre of composted manure. All areas receiving topsoil or other plant growth materials will be seeded in either the fall (preferred) or spring. Disturbance will be ripped to reduce compaction, rough graded to reestablish contours and drainage, and final graded to slopes suitable for the use of mobile equipment for the preparation of seedbeds and revegetation.

Surety

Amount: \$4,342,500 4,372,057
Form: Loc Bank of America
Renewable Term: 2006 dollars

1 RECLAMATION SURETY ES
2 Ash Grove Cement Company
3 Leamington Plant & Quarry
4 M023/004

1ATE

last revision

09/10/01

filename M000-000.WB2

Juab County

5 Prepared by Utah State Division of Oil, Gas & Mining

6 This estimate was prepared by Ash Grove Cement Co.

7 Numbered activitys noted below correspond to features shown on the drawing # R647-4-105.2P

Surface Facilities & R647-4-105.2Q - Quarry

8 Amounts noted below reflect a total dollar amount of all activities required to reclaim each feature.

9 Ash Grove's surety estimate attached which identifies activities & costs involved with each feature

17 Note: actual unit costs may vary according to site conditions last unit cost update 2-Aug-2000

18 -Amount of disturbed area which will receive reclamation treatments = 542.0 acres

19 -Estimated total disturbed area for this mine = 669.0 acres

Activity	Quantity	Units	\$/unit	\$	Note
#1-6 Truck Silo Demolition				47,673.08	
#7 Large Truck Silo Demolition				18,000.80	
#8 Conveyor Demolition				26,208.04	
#9 Bath House				25,717.89	
#10 Administration Office				35,447.46	
#11 Cafeteria				22,960.69	
#12-13 Field Tile & Septic Tanks				1,508.60	
#14 Man Tunnel				1,515.40	
#15 Break Room/Restroom				3,148.96	
#16 Switch Gear #1				6,984.10	
#17 Electric Sub Station				28,364.95	
#18-21 Waste Oil, Gasoline, #2 Diesel & #1 Diesel Storage				14,942.60	
#22 Storage				19,702.57	
#23 Mobil Equipment				17,846.93	
#24 Waste Oil Storage				1,238.71	
#25 Lube Storage				1,879.90	
#26 Conveyor				5,797.53	
#27 Raw Materials Truck Dump				9,360.45	
#28 Storage				486.60	
#29 Raw Materials Silos quantity 5				9,199.84	
#30 Warehouse				34,008.74	
#31 Maintenance Shop				30,144.35	
#32 Bag House				22,453.26	
#33 Water Tank				3,381.43	
#34 Supply Storage Yard				37,437.21	
#35 Diesel Storage				6,786.20	
#36 Storage Buildings				701.34	
#37-38 Blend Silos				8,881.74	
#39 Lube,Hydrolic Oil Storage				741.43	
#40 Raw Mill				23,489.77	
#41 Switch Gear #4				9,271.08	
#42 Finish Mill				37,219.05	
#43 Preheat Tower				41,351.21	
#44 Alkali Bag House				4,893.67	
#45 Storage				611.52	
#46 Pipeline				93.85	
#47 Stack				1,233.61	
#48 Coal Silo				6,257.79	
#49 Kiln Scanner Building				136.19	
#50 Coal Truck Dump				15,125.00	
#51 Control Room & Lab				47,849.01	
#52 Switch Gear #7				8,911.95	
#53 Burner Floor				4,975.95	
#54 Heat Exchanger				6,145.13	
#55 Bag House				6,449.17	
#56 Power Wash Room				520.14	
#57 Water Treatment Glycol Cooler				2,268.31	
#58 Gypsum Silo				1,377.88	

#59-60 Clinker Silos		25,543.52	
#61 Truck Scale		8,411.92	
#62 Scale House		41.21	
#63 Clinker Storage		8,583.82	
#64 Water Supply Well		520.14	
#65 First Aid Room		5,482.61	
#66 Instrument Shop		279.30	
#67 Stack		2,840.30	
#68 Stack		1,233.61	
#69 Kiln		4,353.16	
#70 Off Spec Clinker Silo		3,949.24	
#71 Clinker Elevator		1,534.81	
#72 Glycol Distribution Building		2,102.45	
#73 Tunnel Clinker Silos		20,875.31	
#74 Clinker Conveyor		3,712.62	
#75 Bridge over Canal		5,116.02	
#76 Process Duct		10,133.96	
#77 Cement Distribution Point to Silos		3,712.62	
#100 Switch Gear #2		2,527.06	
#101 Crusher		15,049.78	
#102 Lunch Room		2,590.78	
#103 Pump House		124.10	
#104 Water Tank		690.09	
#105 Diesel Fuel Tank		1,349.24	
#106 C-111 Cover		1,917.16	
#107 Switch Gear #3		2,266.41	
#108 B-8 Overland Belt		18,386.29	
#109 Hopper		510.10	
#110 Transfer Tower		7,701.60	
#111 Stacker/reclaimer		103,570.46	
#112 Cap Magazine		15.20	
#113 Anfo Trailer Storage		0.00	
#114 Detonator Magazine		169.50	
#115 Anfo Bin		303.25	
Demolition of Concrete, Asphalt Roadways & flatworks in Process Area		1,003,365.12	
Reclaim North Access Road		103,472.42	
Reclaim South Access Road		306,212.47	
Install Drainage Channels		122,396.47	
Reclaim Pond #2		7,036.64	
Reclaim Pond #3		2,934.88	
Reclaim Pond #4		1,732.64	
Reclaim Pond #5		450.84	
Reclaim Pond #6		7,284.16	
Reclaim Proposed Road		14,603.68	
Ripping Road Under Conveyor Belt		8,527.62	
Ripping Exploration Roads SE of Quarry - Burma Road		51,277.68	
Ripping remaining Portion of a Branch Road to Process Facilities		2,009.06	
Ripping on the West Side of Quarry		34,521.00	
Ripping road to Quartzite Quarry		24,083.84	
Ripping Road to Stacker/Reclaimer		8,527.62	
Reclamation Revegetation of Disturbed Area	542.0 Acres	662,092.20	
Composted Manure - 10 tons/acre	279.0 Acres	300	83,700.00
General Site Clean-up	45.0 Acres	50	2,250.00
Reclamation Supervision	30 Days	372	11,160.00
	Subtotal		3,383,937
10% Contingency			338,394
	Subtotal		\$3,722,331
Escalate for 5 years at 3.13% per yr			620,171
	Total		\$4,342,502
	Rounded surety amount in yr 2006-\$		\$4,342,500
Average cost per disturbed acre =		\$6,491	

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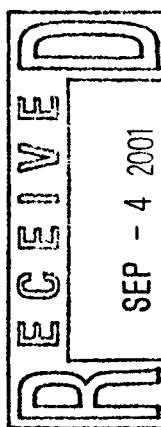
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Surety Estimate Using CostWorks 1999 - Ash Grove Cement Co. - Leamington Plant & Quarry

Revised: Aug. 31, 2001 Permit No. MN023004

1-6 Truck Silos Demolition

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note	
37,800.0	0208160100	Explosive/explosive dml, no disposal, conc bldg	B5B	16,900	C.F.	\$	2,846.00	\$	7,182.00	1. Demolition of exploratory holes to 10' deep x 10' wide x 10' thick loadout silos.	
1,400.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY ca B10U		1,475	0.008	C.Y.	\$	294.00	\$	882.00	2. Dismantling of truck scale pit for front end loader.
1,093.0	0222661220	Hauling, LCY, no loading, 20-cy dump trailer, 3 MI RT, 1.7 Id B34D		221	0.036	C.Y.	\$	885.33	\$	2,765.29	3. Hauling conc. debris to quarry for disposal, excluding 397c, s to fill the truck scale pit.
31.0	020542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	\$	914.50	\$	961.00	4. Demolishing truck scale concrete walls and leaving them in the truck scale excavation.
522.0	020542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	\$	15,389.00	\$	16,181.00	5. Demolishing the 130ft x 130ft x 10inch concrete pad.
522.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY ca B10U		221	0.036	C.Y.	\$	422.82	\$	1,320.66	6. Hauling the truck silo concrete pad (130ft x 130ft x 10inch) to the quarry for disposal.
522.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY ca B10U		1,475	0.008	C.Y.	\$	108.62	\$	328.86	438.48 7. Loading the truck silo pad on trucks with a front end loader.
50.0	022084020	Backfill, structural, 200 H.P., 50' haul, common earth	B10B	2,200	0.005	C.Y.	\$	7.00	\$	26.00	8. Filling and covering the truck scale pit with native earth material.
		Totals					\$	20,678.27	\$	26,984.81	\$ 47,663.08

7 Large Truck Silo Demolition

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note	
17,880.0	0208160100	Explosive/explosive dml, no disposal, conc bldg	B5B	16,900	C.F.	\$	2,151.60	\$	2,145.60	1. Large truck loadout silo demolition by explosion.	
183.0	20542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	\$	5,398.50	\$	5,673.00	2. Pile cap demolition for large truck loadout silo.
845.0	2222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY ca B10U		1,475	0.008	C.Y.	\$	177.45	\$	532.35	3. Front end loader to load trucks with all large truck loadout silo material.
845.0	2222661220	Hauling, LCY, no loading, 20-cy dump trailer, 3 MI RT, 1.7 Id B34D		221	0.036	C.Y.	\$	684.45	\$	2,137.85	4. Truck haulage to quarry for disposal of concrete debris from large truck loadout silo.
		Totals					\$	7,152.00	\$	10,488.80	\$ 18,000.80

8 Conveyor Demolition

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note	
497.0	512400100	Steel cutting, hand burning, including prep, steel to 1/2" thick	E14	70	0.114	L.F.	\$	1,408.51	\$	581.49	1. Torch cutting of silo conveyor legs into 15ft lengths.
3,247.0	208160020	Explosive/explosive dml, no disposal, steel bldg	B5B	16,900	C.F.	\$	227.29	\$	389.64	2. Blasting the legs of the truck loadout silo conveyor to topple the conveyor.	
3,364.0	512400200	Steel cutting, torch cutting, 1" thick	E14	45	0.178	L.F.	\$	14,801.60	\$	6,122.48	3. Cutting up steel tube and frame.
1.0	164206100	Cutting conveyor belt with circular saw				Ea.	\$	98.00	\$	36.50	4. Cutting up conveyor belt.
1,018.0	2222381601	Excavating, bulk bank measure, FE loader, whl mid, 3 CY ca B10T		1,125	0.011	C.Y.	\$	265.04	\$	407.20	5. Piling scrap steel pieces at staging area by rail spur for scrap metal dealer loadout.
20.0	206120100	Dump charges, typical urban city, fees only, bldg const mate				Ton	\$	1,070.00	\$	1,070.00	6. Dump disposal in Delta of cut up conveyor belt.
53.0	2222661130	Hauling, LCY, no loading, 16.5-cy dump trailer, 20 mi RT, .4 B34C		54	0.148	C.Y.	\$	174.37	\$	545.90	7. Hauling cut-up conveyor belt to Delta, UT dump.
66.0	2222664700	Highway hauling beyond 20 miles, per loaded mile, minimum				Mile	\$	\$	\$	64.02	8. Additional miles of travel beyond 20 miles per round trip cost.
		Totals					\$	16,980.81	\$	9,217.23	\$ 26,208.04

9 Bath House

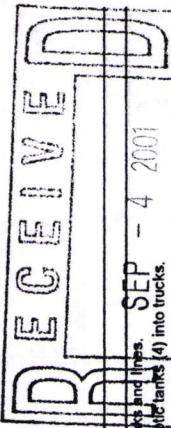
Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note	
33,800.0	0208160100	Explosive/explosive dml, no disposal, conc bldg	B5B	16,900	C.F.	\$	2,352.00	\$	4,032.00	1. Demolition with explosives of Bath House.	
467.0	20542000	Site dml, conc to 6" thick, rod reinforced	B38	200	0.2	S.Y.	\$	2,288.30	\$	2,358.35	2. Demolition of Bath House Foundation.
218.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY ca B10U		1,475	0.008	C.Y.	\$	45.78	\$	137.34	3. Loading trucks with clean concrete from building and foundation to deliver to quarry.
218.0	0222661220	Hauling, LCY, no loading, 20-cy dump trailer, 3 MI RT, 1.7 Id B34D		221	0.036	C.Y.	\$	176.58	\$	551.54	4. Truck haulage to quarry of concrete from Bath House.
4,200.0	020161000	Gutting, building interior, including disposal, commercial bldg	B16	350	0.091	SF Fr.	\$	8,250.00	\$	13,776.00	5. Getting out the interior of the building and disposing of all materials.
		Totals					\$	13,388.66	\$	12,329.23	\$ 25,717.88

10 Administration Office

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note	
48,400.0	0208160100	Explosive/explosive dml, no disposal, conc bldg	B5B	16,900	C.F.	\$	3,248.00	\$	5,568.00	1. Demolition with explosives of Administration Office.	
644.0	20542000	Site dml, conc to 6" thick, rod reinforced	B38	200	0.2	S.Y.	\$	3,145.60	\$	3,236.20	2. Demolition of Administration Office Foundation.
287.0	0208040050	Build dml, urban, 20 mi haul, no dump fee/nd, concrete	B8	15,300	0.091	SF Fr.	\$	7,210.56	\$	11,650.56	3. Loading trucks with clean concrete from building and foundation to deliver to quarry.
287.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY ca B10U		1,475	0.008	C.Y.	\$	60.27	\$	180.81	4. Loading trucks with clean concrete from Administration Office.
5,000.0	020161000	Gutting, building interior, including disposal, commercial bldg	B16	350	0.091	SF Fr.	\$	232.47	\$	726.11	5. Getting out the interior of the building and disposing of all materials.
		Totals					\$	11,774.00	\$	7,250.00	\$ 19,024.00

11 Cafeteria

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note	
395.0	0205542000	Site dml, conc to 6" thick, rod reinforced	B38	200	0.2	S.Y.	\$	1,935.50	\$	1,934.75	1. Demolition of Cafeteria Foundation.
3,552.0	020161000	Gutting, building interior, including disposal, commercial bldg	B16	350	0.091	SF Fr.	\$	7,210.56	\$	4,440.00	2. Gutting out the interior of the building and disposing of all materials.
28,416.0	0208040050	Build dml, urban, 20 mi haul, no dump fee/nd, concrete	B8	15,300	0.091	C.F.	\$	2,841.60	\$	4,262.40	3. Dismanteling Cafeteria and disposing of debris.
66.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY ca B10U		1,475	0.008	C.Y.	\$	13.86	\$	41.58	4. Loading Cafeteria foundation into trucks for quarry disposal.
66.0	0222661220	Hauling, LCY, no loading, 20-cy dump trailer, 3 MI RT, 1.7 Id B34D		221	0.036	C.Y.	\$	53.46	\$	166.98	5. Truck hauling on Cafeteria foundation to quarry.
		Totals					\$	12,034.98	\$	10,935.71	\$ 22,960.63



Surety Estimate Using CostWorks 1999 - Ash Grove Cement Co. - Leamington Plant & Quarry

12-13 Field Tile & Septic Tanks

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
175.0	022540500	Excavate trench, concrete curb, 6'-10" deep, 3/4 CY hyd ba	B12F	225	0.071	C.Y.	\$ 334.25	\$ 348.25	\$ 682.50	1. Excavating septic tanks and lines. SEP - 4 2001
24.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 5.04	\$ 15.12	\$ 20.16	2. Loading concrete septic tanks (4) into trucks.
24.0	0222661220	Hauling, LCY, no loading, 20 c.y. dump trailer, 3 MI RT, 1.71	B34D	221	0.036	C.Y.	\$ 19.44	\$ 60.72	\$ 80.16	3. Hauling concrete septic tanks to quarry for disposal.
555.0	0222084020	Backfill, structural, 200 H.P., 50 haul, common earth	B10B	2,200	0.005	C.Y.	\$ 77.70	\$ 210.90	\$ 288.60	4. Regrading septic area with dozer.
1.0	0164206100	Cutting PVC septic lines with a circular saw				Ea.	\$ 70.00	\$ 36.50	\$ 106.50	5. Cutting up PVC septic lines.
2.0	0206120100	Dump charges, typical urban city, fees only, bldg const ma				Ton	\$ -	\$ -	\$ 107.00	6. Landfill disposal costs for PVC.
12.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 2.52	\$ 7.56	\$ 10.08	7. Loading PVC septic line into truck.
12.0	0222665060	Hauling, LCY, no loading, 12 c.y. dump truck, 20 MI RT, 0.4	B34B	39	0.205	C.Y.	\$ 54.72	\$ 135.60	\$ 190.32	8. Hauling cost to dump.
24.0	0222664700	Highway hauling beyond 20 miles, per loaded mile, minimu				Mile	\$ -	\$ -	\$ 23.28	9. Additional cost to truck haul to dump for extra mileage beyond 20 mile round trip.
		Totals					\$ 563.67	\$ 814.65	\$ 1,508.60	

14 Man Tunnel

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
320.0	0222084020	Backfill, structural, 200 H.P., 50' haul, common earth	B10B	2,200	0.005	C.Y.	\$ 44.80	\$ 121.60	\$ 166.40	1. Pushing concrete rubble into man tunnel entrance and covering entrance with earth.
7,100.0	0206160100	Explosive/explosive dml, no disposal, conc bldg	B5B	16,900	0.008	C.F.	\$ 497.00	\$ 852.00	\$ 1,349.00	2. Demolition of Man Tunnel concrete entrance way with explosives.
		Totals					\$ 541.80	\$ 973.60	\$ 1,515.40	

15 Break Room/Restroom

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
6,000.0	0206160100	Explosive/explosive dml, no disposal, conc bldg	B5B	16,900	0.2	S.Y.	\$ 420.00	\$ 720.00	\$ 1,140.00	1. Demolition with explosives of Break Room/Restroom.
44.0	0205542000	Steel dml, conc to 6" thick, rod reinforced	B38	200	0.008	C.Y.	\$ 215.60	\$ 222.20	\$ 437.80	2. Demolition of Break Room/Restroom Foundation.
62.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B10U	1,475	0.036	C.Y.	\$ 13.02	\$ 39.06	\$ 52.08	3. Loading trucks with clean concrete from building and foundation to deliver to quarry.
62.0	0222661220	Hauling, LCY, no loading, 20 c.y. dump trailer, 3 MI RT, 1.71	B34D	221	0.05	C.Y.	\$ 50.22	\$ 156.86	\$ 207.08	4. Truck haulage to quarry of concrete from Break Room/Restroom.
400.0	0207161000	Gutting, building interior, including disposal, commercial bl	B16	350	0.091	SF Flr.	\$ 812.00	\$ 500.00	\$ 1,312.00	5. Gutting out the interior of the building and disposing of all materials.
		Totals					\$ 1,510.84	\$ 1,638.12	\$ 3,148.96	

16 Switch Gear #1

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
295.0	0512400100	Steel cutting, hand burning, including prep. steel to 12" thi	E14	70	0.114	L.F.	\$ 834.85	\$ 345.15	\$ 1,180.00	1. Cutting-up Switch Gear #1 building with a torch.
102.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 21.42	\$ 64.26	\$ 85.68	2. Loading steel scrap into trucks.
102.0	022266030	Hauling, LCY, no loading, 6 c.y. dump truck, 4.1 MI RT, 1.71	B34A	160	0.05	C.Y.	\$ 114.24	\$ 231.54	\$ 345.78	3. Hauling scrap metal to scrap pile at rail head.
1,638.0	0207161000	Gutting, building interior, including disposal, commercial bl	B16	350	0.091	SF Flr.	\$ 3,325.14	\$ 2,047.50	\$ 5,372.64	4. Gutting the building and disposing of the contents.
		Totals					\$ 4,295.65	\$ 2,688.45	\$ 6,984.10	

17 Electric Sub Station

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
612.0	0205540700	Site dml, chain link, posts & fabric, 8' to 10' high	B6	445	0.054	L.F.	\$ 777.24	\$ 299.88	\$ 1,077.12	1. Removal of chain link fence from around the Electric Sub Station (17).
6.0	0207081570	Electrical demo, transformer, 3 phase to 800v, primary, 750	R3	1.1	18.182	Ea.	\$ 3,450.00	\$ 732.00	\$ 4,182.00	2. Removal of transformers.
4.0	0207171110	Hazardous W chip/disp, liq pickup, vac tk, min charge, 4h				HR.	\$ 160.00	\$ 228.00	\$ 388.00	3. Pick-up of transformer fluids and transport to disposal site.
0.3	0207176020	Hazardous W chip/disp, dumpsite disposal charge, max				Ton	\$ -	\$ -	\$ 97.50	4. Dumpsite disposal fees for transformer fluids.
162.0	0207300010	Torch cutting steel, 1" thick plate	1 Clab	32	0.25	L.F.	\$ 866.70	\$ -	\$ 866.70	5. Torch cutting of steel structural supports.
336.0	0222381650	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	\$ 9,912.00	\$ 10,416.00	\$ 20,328.00	6. Demolishing concrete piles cap.
341.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 71.61	\$ 214.83	\$ 286.44	6. Loading concrete and steel into trucks.
5.0	022266030	Hauling, LCY, no loading, 6 c.y. dump truck, 1/2 MI RT, 4.1 MI RT, 1.71	B34A	160	0.05	C.Y.	\$ 5.60	\$ 11.35	\$ 16.95	7. Hauling scrap metal to rail spur pile.
336.0	0222661220	Hauling, LCY, no loading, 20 c.y. dump trailer, 3 MI RT, 1.71	B34D	221	0.036	C.Y.	\$ 272.16	\$ 850.08	\$ 1,122.24	8. Hauling clean concrete debris to quarry for disposal.
		Totals					\$ 15,515.31	\$ 12,752.14	\$ 28,364.95	

18 - 21 Waste Oil, Gasoline, #2 Diesel, & #1 Diesel Storage

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
2.0	020880310	Removal of ugnd stor tk, 6000gal tank	A13	4	2	Ea.	\$ 109.00	\$ 260.00	\$ 369.00	1. Cleaning and removal of petro product residue from waste oil & gas storage tanks.
100.0	020880390	Removal of ugnd stor tk, dispose of sludge off-site, avg				Gal.	\$ -	\$ -	\$ 388.00	2. Disposal cost of getting rid of 100 gallons of tank cleaning product and sludge.
2.0	0208801026	Removal of ugnd stor tk, haul to certified salv dump, 6000g				Ea.	\$ -	\$ -	\$ 1,260.00	3. Cost for removing and disposing of the two 7,900 gallon tanks.
4.0	020880320	Removal of ugnd stor tk, 9000gal to 12,000gal tank	A13	3	2.667	Ea.	\$ 292.00	\$ 696.00	\$ 988.00	4. Cleaning two 23,500 gal diesel tanks. Cleaning two 12,000 gal tanks.
200.0	020880390	Removal of ugnd stor tk, dispose of sludge off-site, avg				Gal.	\$ -	\$ -	\$ 776.00	5. Disposal cost for 200 gallons of tank cleaning product and sludge.
4.0	0208801029	Removal of ugnd stor tk, haul to certified salv dump, 9000g				Ea.	\$ -	\$ -	\$ 3,400.00	6. Removing & disposing two 23,500 gal tanks. Disposing two 12,000 gal tanks.
120.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	\$ 3,540.00	\$ 3,720.00	\$ 7,260.00	7. Demolishing concrete containment pt.
120.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 25.20	\$ 75.60	\$ 100.80	8. Loading concrete debris into trucks.
120.0	0222661220	Hauling, LCY, no loading, 20 c.y. dump trailer, 3 MI RT, 1.71	B34D	221	0.036	C.Y.	\$ 97.20	\$ 303.60	\$ 400.80	9. Truck hauling clean concrete to quarry for disposal.
		Totals					\$ 4,063.40	\$ 5,055.20	\$ 14,942.60	

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22 Storage

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,120.0	0512400100	Steel cutting, hand burning, including prep. steel to 1/2" thi	E14	70	0.114	L.F.	\$ 3,169.60	\$ 1,310.40	\$ 4,480.00	1. Cutting up the Storage building into 15 foot length pieces for scrap metal with a torch.
226.0	0205542100	Site dml, conc. 7" to 24" thick, plain	B38	33	1.212	C.Y.	\$ 6,667.00	\$ 7,006.00	\$ 13,673.00	2. Demolishing concrete foundation and stem wall.
369.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 77.49	\$ 232.47	\$ 308.96	3. Loading trucks with concrete and scrap metal.
226.0	0222661220	Hauling, LCY, no loading, 20 c.y. dump trailer, 3 MI RT, 1.71 B34D	221	0.036	C.Y.	\$ 183.06	\$ 571.78	\$ 754.84	4. Hauling scrap metal to quarry for disposal.	
143.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.11 B34A	160	0.05	C.Y.	\$ 160.16	\$ 324.61	\$ 484.77	5. Hauling scrap metal to rail head.	
Totals							\$ 10,257.31	\$ 9,445.26	\$ 19,702.57	

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
488.0	0512400100	Steel cutting, hand burning, including prep. steel to 1/2" thi	E14	70	0.114	L.F.	\$ 1,381.04	\$ 570.96	\$ 1,952.00	1. Cutting Mobil Equipment building into 15 foot length pieces for scrap metal.
84.0	0205542100	Site dml, conc. 7" to 24" thick, plain	B38	33	1.212	C.Y.	\$ 2,478.00	\$ 2,604.00	\$ 5,082.00	2. Demolishing concrete foundation and stem wall.
231.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 48.51	\$ 145.53	\$ 194.04	3. Loading trucks with concrete and scrap metal.
84.0	0222661220	Hauling, LCY, no loading, 20 c.y. dump trailer, 3 MI RT, 1.71 B34D	221	0.036	C.Y.	\$ 68.04	\$ 212.52	\$ 280.56	4. Hauling clean concrete foundation to quarry for disposal.	
147.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.11 B34A	160	0.05	C.Y.	\$ 164.64	\$ 333.69	\$ 498.33	5. Hauling scrap metal to rail head.	
3,000.0	0207161000	Gutting, building interior, including disposal, commercial bl	B16	350	0.091	SF/Ft.	\$ 6,090.00	\$ 3,750.00	\$ 9,840.00	6. Gutting and disposing of building contents.
Totals							\$ 10,230.23	\$ 7,616.70	\$ 17,846.93	

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1.0	0208800300	Removal of ugnd stor lk, 3000gal tank	A13	5	1.6	Ea.	\$ 43.50	\$ 104.00	\$ 147.50	1. Cost of cleaning 1,000 gallon Waste Oil Storage Tank.
50.0	0208800390	Removal of ugnd stor lk, dispose of sludge off-site, avg					\$ -	\$ -	\$ 194.00	2. Cost for disposal of sludge and cleaning materials.
1.0	0208801023	Removal of ugnd stor lk, haul to certified salv dump, 3000g	B38	33	1.212	C.Y.	\$ 165.20	\$ 173.60	\$ 355.00	3. Demolition of the 1,000 gallon tank in proper facility.
5.6	0205542100	Site dml, conc. 7" to 24" thick, plain	B10U	1,475	0.008	C.Y.	\$ 1.18	\$ 3.53	\$ 338.80	4. Demolishing concrete containment structure.
5.6	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B34A	221	0.036	C.Y.	\$ 4.54	\$ 14.17	\$ 4.70	5. Loading on trucks.
5.6	0222661220	Hauling, LCY, no loading, 20 c.y. dump trailer, 3 MI RT, 1.71 B34D					\$ 214.41	\$ 295.30	\$ 1,238.71	6. Hauling concrete containment debris to quarry for disposal.
Totals							\$ 1,072.59	\$ 807.31	\$ 1,879.90	

23 Mobil Equipment

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
488.0	0512400100	Steel cutting, hand burning, including prep. steel to 1/2" thi	E14	70	0.114	L.F.	\$ 1,381.04	\$ 570.96	\$ 1,952.00	1. Cutting Mobil Equipment building into 15 foot length pieces for scrap metal.
84.0	0205542100	Site dml, conc. 7" to 24" thick, plain	B38	33	1.212	C.Y.	\$ 2,478.00	\$ 2,604.00	\$ 5,082.00	2. Demolishing concrete foundation and stem wall.
231.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 48.51	\$ 145.53	\$ 194.04	3. Loading trucks with concrete and scrap metal.
84.0	0222661220	Hauling, LCY, no loading, 20 c.y. dump trailer, 3 MI RT, 1.71 B34D	221	0.036	C.Y.	\$ 68.04	\$ 212.52	\$ 280.56	4. Hauling clean concrete foundation to quarry for disposal.	
147.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.11 B34A	160	0.05	C.Y.	\$ 164.64	\$ 333.69	\$ 498.33	5. Hauling scrap metal to rail head.	
3,000.0	0207161000	Gutting, building interior, including disposal, commercial bl	B16	350	0.091	SF/Ft.	\$ 6,090.00	\$ 3,750.00	\$ 9,840.00	6. Gutting and disposing of building contents.
Totals							\$ 10,230.23	\$ 7,616.70	\$ 17,846.93	

24 Waste Oil Storage

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1.0	0208800300	Removal of ugnd stor lk, 3000gal tank	A13	5	1.6	Ea.	\$ 43.50	\$ 104.00	\$ 147.50	1. Cost of cleaning 1,000 gallon Waste Oil Storage Tank.
50.0	0208800390	Removal of ugnd stor lk, dispose of sludge off-site, avg					\$ -	\$ -	\$ 194.00	2. Cost for disposal of sludge and cleaning materials.
1.0	0208801023	Removal of ugnd stor lk, haul to certified salv dump, 3000g	B38	33	1.212	C.Y.	\$ 165.20	\$ 173.60	\$ 355.00	3. Demolition of the 1,000 gallon tank in proper facility.
5.6	0205542100	Site dml, conc. 7" to 24" thick, plain	B10U	1,475	0.008	C.Y.	\$ 1.18	\$ 3.53	\$ 338.80	4. Demolishing concrete containment structure.
5.6	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B34A	221	0.036	C.Y.	\$ 4.54	\$ 14.17	\$ 4.70	5. Loading on trucks.
5.6	0222661220	Hauling, LCY, no loading, 20 c.y. dump trailer, 3 MI RT, 1.71 B34D					\$ 214.41	\$ 295.30	\$ 1,238.71	6. Hauling concrete containment debris to quarry for disposal.
Totals							\$ 1,072.59	\$ 807.31	\$ 1,879.90	

25 Lube Storage

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
235.0	0512400100	Steel cutting, hand burning, including prep. steel to 1/2" thi	E14	70	0.114	L.F.	\$ 665.05	\$ 274.95	\$ 940.00	1. Cutting-up Lube Storage building with a torch.
54.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 11.34	\$ 34.02	\$ 45.36	2. Loading steel scrap into trucks.
54.0	0222661220	Hauling, LCY, no loading, 6 c.y. dump truck, 1/2 MI RT, 4.11 B34D	160	0.05	C.Y.	\$ 60.48	\$ 122.58	\$ 183.06	3. Torch cutting conveyor tubing and frame after toppling	
11.0	0205542100	Site dml, conc. 7" to 24" thick, plain	B38	33	1.212	C.Y.	\$ 324.50	\$ 341.00	\$ 665.50	4. Demolish concrete slab.
11.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 2.31	\$ 6.93	\$ 9.24	5. Load the concrete slab debris on trucks.
11.0	0222661220	Hauling, LCY, no loading, 20 c.y. dump trailer, 3 MI RT, 1.71 B34D	221	0.036	C.Y.	\$ 8.91	\$ 27.83	\$ 36.74	6. Truck haul the clean concrete slab debris to the quarry for disposal.	
Totals							\$ 1,072.59	\$ 807.31	\$ 1,879.90	

26 Conveyor

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
113.0	0512400100	Steel cutting, hand burning, including prep. steel to 1/2" thi	E14	70	0.114	L.F.	\$ 319.79	\$ 132.21	\$ 452.00	1. Torch cutting of conveyor legs into 10-15ft. lengths.
131.0	0206160200	Explosive/explosive dml, no disposal, steel bldg	B5B	16,900	0.178	C.E.	\$ 9.17	\$ 15.72	\$ 24.89	2. Blasting the legs of the conveyors to topple it.
480.0	0512400200	Steel cutting, torch cutting, 1" thick	E14	45	0.011	L.F.	\$ 2,112.00	\$ 673.60	\$ 2,985.60	3. Torch cutting conveyor tubing and frame after toppling
175.0	0222381601	Excavating, bulk bank measure, FE loader, whl mid, 3 CY c	B10T	1,125	0.008	C.Y.	\$ 49.00	\$ 70.00	\$ 119.00	4. Loading scrap steel from conveyor into trucks.
1.0	0164206100	Cutting up conveyor belt with circular saw					\$ 160.00	\$ 36.50	\$ 196.50	5. Cutting up conveyor belt with circular saw.
12.0	0206120100	Dump charges, typical urban city, fees only, bldg const ma					\$ -	\$ -	\$ 642.00	6. Dump disposal in Delta of cut up conveyor belt.
53.0	0222661130	Hauling, LCY, no loading, 16.5 c.y. dump trailer, 20 mi RT.	B34C	54	0.148	C.Y.	\$ 174.37	\$ 545.90	\$ 720.27	7. Hauling cut-up conveyor belt to Delta. UT dump.
66.0	0222664700	Highway hauling beyond 20 miles, per loaded mile, minimum					\$ -	\$ -	\$ 64.00	8. Additional miles charge for travel beyond 20 miles per round trip.
175.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.11 B34A	160	0.05	C.Y.	\$ 186.00	\$ 397.25	\$ 593.25	9. Hauling conveyor to tail head scrap pile.	
Totals							\$ 3,020.33	\$ 2,071.18	\$ 5,797.53	

27 Raw Materials Truck Dump

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
142.5	0205542100	Steel cutting, hand burning, including prep. steel to 1/2" thi	E14	70	0.114	L.F.	\$ 141.50	\$ 58.50	\$ 200.00	1. Cutting Storage building into 10 foot length pieces for scrap metal.
3.5	0205542100	Site dml, conc. 7" to 24" thick, plain	B38	33	1.212	C.Y.	\$ 4,203.75	\$ 103.25	\$ 4,307.00	2. Demolishing concrete foundation and stem wall.
20.5	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 4,311.00	\$ 12.92	\$ 4,323.92	3. Load trucks with scrap metal. Place clean conc. debris in Raw Matl Truck Dump area.
17.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.11 B34A	160	0.05	C.Y.	\$ 19.04	\$ 38.59	\$ 57.63	4. Hauling scrap metal to rail head.	
Totals							\$ 268.10	\$ 218.51	\$ 486.60	

28 Storage

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
50.0	0512400100	Steel cutting, hand burning, including prep. steel to 1/2" thi					\$ -	\$ -	\$ 6,621.25	1. Raw Materials Truck Dump - leave clean concrete debris in hole and bury.
3.5	0205542100	Site dml, conc. 7" to 24" thick, plain					\$ -	\$ -	\$ 739.20	2. Fill hole and reggrading over the Raw Material Truck Dump area.
20.5	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c					\$ -	\$ -	\$ 17.22	3. Load trucks with scrap metal.
17.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.								

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D E C I V E

29 Raw Materials Silos (Qty 5)

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
4,508.0	026160100	Explosive/explosive dml, no disposal, conc bldg	B5B	16,900	C.F.	\$	315.56	\$	540.96	1. Demolition by explosion of Raw Materials Silos (qty 5).
167.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	35.07	\$	105.21	2. Loading raw materials silos concrete debris into trucks with a front end loader.
167.0	0222681220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.71	B34D	221	0.036	C.Y.	135.27	\$	422.51	3. Hauling raw materials silos concrete debris to the quarry for disposal.
111.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	3,274.50	\$	3,441.00	4. Demolishing the 60ft. x 60ft. x 10ft. concrete pad debris (60ft. x 60ft. x 10ft.)
111.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.71	B34D	221	0.036	C.Y.	89.91	\$	280.83	5. Demolishing the concrete pad debris to the quarry for disposal.
111.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	23.31	\$	69.93	6. Hauling the concrete pad debris on trucks with a front end loader.
74.0	0512400200	Steel cutting, torch cutting, 1" thick	E14	45	0.178	L.F.	325.60	\$	134.68	7. Cutting the steel raw materials silo into 15 ft pieces.
1.3	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	0.27	\$	0.82	8. Cutting, with torch, the steel raw materials silo into 15 ft pieces.
1.3	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.11	B34A	160	0.05	C.Y.	1.46	\$	2.95	9. Loading silo scrap metal with loader.
		Totals					4,200.95	\$	4,988.85	10. Hauling scrap metal to rail head pile.
									9,199.84	11. Hauling scrap metal to rail head pile.

30 Warehouse

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
975.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	\$ 2,759.25	\$ 1,140.75	\$ 3,900.00	1. Cutting Warehouse building into 15 foot length pieces for scrap metal.
153.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	\$ 4,513.50	\$ 4,743.00	\$ 9,256.50	2. Demolishing concrete foundation and stem wall.
153.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 84.63	\$ 253.89	\$ 338.52	3. Loading trucks with concrete and scrap metal.
153.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.71	B34D	221	0.036	C.Y.	\$ 123.93	\$ 387.09	\$ 511.02	4. Hauling clean concrete foundation to quarry for disposal.
250.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.11	B34A	160	0.05	C.Y.	\$ 280.00	\$ 567.50	\$ 847.50	5. Hauling scrap metal to rail head.
5,840.0	0207161000	Gutting, building interior, including disposal, commercial bl	B16	350	0.091	SF Flr.	\$ 11,855.20	\$ 7,300.00	\$ 19,155.20	6. Gutting and disposing of building contents.
		Totals					\$ 19,616.51	\$ 14,392.23	\$ 34,008.74	

31 Maintenance Shop

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
925.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	\$ 2,617.75	\$ 1,082.25	\$ 3,700.00	1. Cutting Maintenance Shop into 15 foot length pieces for scrap metal.
135.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	\$ 3,982.50	\$ 4,185.00	\$ 8,167.50	2. Demolishing concrete foundation and stem wall.
360.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 75.60	\$ 226.80	\$ 302.40	3. Loading trucks with concrete and scrap metal.
135.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.71	B34D	221	0.036	C.Y.	\$ 109.35	\$ 341.55	\$ 450.90	4. Hauling clean concrete foundation to quarry for disposal.
225.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.11	B34A	160	0.05	C.Y.	\$ 252.00	\$ 510.75	\$ 762.75	5. Hauling scrap metal to rail head.
5,110.0	0207161000	Gutting, building interior, including disposal, commercial bl	B16	350	0.091	SF Flr.	\$ 10,373.30	\$ 6,387.50	\$ 16,760.80	6. Gutting building and disposing of contents.
		Totals					\$ 17,410.50	\$ 12,733.85	\$ 30,144.35	

32 Bag House

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
4,586.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	\$ 13,006.88	\$ 5,377.32	\$ 18,384.00	1. Cutting Bag House into 15 foot length pieces for scrap metal.
962.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 202.02	\$ 2,183.74	\$ 808.08	2. Loading trucks with concrete and scrap metal.
962.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.11	B34A	160	0.05	C.Y.	\$ 1,077.44	\$ 8,167.12	\$ 3,261.18	3. Hauling scrap metal to rail head.
		Totals					\$ 14,286.14	\$ 8,167.12	\$ 22,453.26	

33 Water Tank

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
629.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	\$ 1,780.07	\$ 735.93	\$ 2,516.00	1. Cutting Water Tank into 15 foot length pieces or smaller for scrap metal.
13.6	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 2.86	\$ 8.57	\$ 11.42	2. Loading trucks with concrete and scrap metal.
13.6	0222661220	Hauling, LCY, no loading, 6 c.y dump truck, 2 MI RT, 2.6 id	B34A	100	0.08	C.Y.	\$ 24.21	\$ 49.23	\$ 73.44	3. Hauling scrap metal to rail head.
189.0	0222540500	Excavate trench, cont fg, no shld/wdg, 1-4D 3/8 CY tract	B11C	150	0.107	C.Y.	\$ 506.52	\$ 274.05	\$ 780.57	4. Regrading the pad after debris removal.
		Totals					\$ 2,313.65	\$ 1,067.78	\$ 3,381.43	

34 Supply Storage Yard

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
396.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	\$ 11,682.00	\$ 12,716.00	\$ 23,958.00	1. Demolishing 10 inch concrete Supply Storage Yard.
396.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.71	B34D	221	0.036	C.Y.	\$ 320.76	\$ 1,001.88	\$ 1,322.64	2. Hauling the clean concrete pad debris to the quarry for disposal.
547.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 114.87	\$ 344.61	\$ 459.48	3. Loading the truck trucks with a front end loader.
1,100.0	0222084020	Backfill, structural, 200 H.P., 50' haul, common earth	B10B	2,200	0.005	C.Y.	\$ 154.00	\$ 418.00	\$ 572.00	4. Regrading the pad after debris removal.
1,689.0	0205541750	Site demo, no hauling, pavement removal, blt, 4" to 6" thick	B38	420	0.095	S.Y.	\$ 3,935.37	\$ 4,087.38	\$ 8,022.75	5. Demolishing asphalt pad areas.
151.0	0222661150	Hauling, LCY, no loading, 20 c.y dump trailer, 1 MI RT, 2.51	B34D	325	0.025	C.Y.	\$ 81.54	\$ 259.72	\$ 341.28	6. Cost for truck hauling debris to rail head pile.
1,038.0	0222781700	Ripping, trap rock, medium hard, 300 HP dozer, adverse co	B10M	540	0.022	C.Y.	\$ 602.04	\$ 2,159.04	\$ 2,761.08	7. Ripping the Supply Yard area with a dozer.
		Totals					\$ 16,890.58	\$ 20,546.63	\$ 37,437.21	

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D E C E N T E									
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35 Diesel Storage

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
65.0	0265542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1,212	C.Y.	\$ 1,917.50	\$ 2,015.00	\$ 3,932.50	1. Demolishing concrete containment pit for 2 - 10,000 gal. diesel tanks.
65.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 13.65	\$ 40.95	\$ 54.60	2. Loading concrete debris into trucks.
65.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 Ml RT, 1.71	B34D	221	0.036	C.Y.	\$ 52.65	\$ 164.45	\$ 217.10	3. Truck hauling clean concrete to quarry for disposal.
2.0	028800320	Removal of ugnd stor tk, 9000gal to 12,000gal tank	A13	3	2.667	Ea.	\$ 146.00	\$ 348.00	\$ 494.00	4. Cleaning the inside of the 2 - 10,000 gal. diesel tanks. 2001
100.0	0288003390	Removal of ugnd stor tk, dispose of sludge off-site, avg				Gal.	\$ -	\$ -	\$ 388.00	5. Proper disposal of the petroleum and cleaning agents.
2.0	028801029	Removal of ugnd stor tk, haul to certified salv dump, 9000q				Ea.	\$ -	\$ -	\$ 1,700.00	6. Hauling away and proper disposal of the tanks.
Totals										6,786.20

36 Storage Buildings

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
114.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	\$ 322.62	\$ 133.38	\$ 456.00	1. Cutting two Storage Buildings into <15 foot length pieces for scrap metal with a torch.
58.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 12.18	\$ 36.54	\$ 48.72	2. Loading trucks with scrap metal.
58.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 Ml RT, 4.11	B34A	160	0.05	C.Y.	\$ 64.96	\$ 131.66	\$ 196.62	3. Hauling scrap metal to rail head.
Totals										701.34

37 - 38 Blend Silos

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
25,758.0	0206160100	Explosive/explosive dml, no disposal, conc bldg	B5B	16,900	0.008	C.F.	\$ 1,803.06	\$ 3,090.86	\$ 4,894.02	1. Blend Silos - demolition by explosion.
954.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 200.34	\$ 601.02	\$ 801.36	2. Front end loader to load trucks with Blend Silos concrete debris.
954.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 Ml RT, 1.71	B34D	221	0.036	C.Y.	\$ 772.74	\$ 2,413.62	\$ 3,186.36	3. Truck hauling cost of concrete debris from Blend Silos to quarry for disposal.
Totals										8,881.74

39 Lube & Hyd. Oil Storage

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
142.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	\$ 401.86	\$ 166.14	\$ 568.00	1. Cutting Maintenance Shop into 15 foot length pieces for scrap metal with a torch.
41.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 8.61	\$ 25.83	\$ 34.44	2. Loading trucks with concrete and scrap metal.
41.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 Ml RT, 4.11	B34A	160	0.05	C.Y.	\$ 45.92	\$ 93.07	\$ 138.99	3. Hauling scrap metal to rail head.
Totals										741.43

40 Raw Mill

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,714.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	\$ 4,850.62	\$ 2,005.38	\$ 6,856.00	1. Cutting up the Raw Mill and building into pieces for scrap metal with a torch.
574.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 120.54	\$ 361.62	\$ 482.16	2. Loading trucks with scrap metal and concrete.
339.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 Ml RT, 4.11	B34A	160	0.05	C.Y.	\$ 379.68	\$ 769.53	\$ 1,149.21	3. Hauling scrap metal to rail head.
235.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 Ml RT, 1.71	B34D	221	0.036	C.Y.	\$ 190.35	\$ 594.55	\$ 785.90	4. Truck hauling concrete debris to quarry for disposal.
235.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1,212	C.Y.	\$ 6,932.50	\$ 7,285.00	\$ 14,217.50	5. Demolition cost for concrete pedestal that the mill is on.
Totals										23,489.77

41 Switch Gear #4

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
2,816.0	0206160100	Explosive/explosive dml, no disposal, conc bldg	B5B	16,900	0.008	C.F.	\$ 204.12	\$ 349.92	\$ 554.04	1. Demolition with explosives of Switch Gear #4.
108.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 22.68	\$ 68.04	\$ 90.72	2. Loading trucks with clean concrete from building and foundation to deliver to quarry.
108.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 Ml RT, 1.71	B34D	221	0.036	C.Y.	\$ 87.48	\$ 273.24	\$ 360.72	3. Truck haulage of concrete to quarry for disposal from Switch Gear #4.
2,520.0	0207161000	Gutting, building interior, including disposal, commercial bl	B16	350	0.091	SF Flr.	\$ 5,115.60	\$ 3,150.00	\$ 8,265.60	4. Cutting and building and disposing of debris.
Totals										9,271.08

42 Finish Mill

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
5,580.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	\$ 15,791.40	\$ 6,528.60	\$ 22,320.00	1. Cutting up the Finish Mill and building into 15' length pieces for scrap metal with a torch.
1,250.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 262.50	\$ 787.50	\$ 1,050.00	2. Loading trucks with scrap metal and concrete.
1,091.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 Ml RT, 4.11	B34A	160	0.05	C.Y.	\$ 1,221.92	\$ 2,476.57	\$ 3,698.49	3. Hauling scrap metal to rail head.
159.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1,212	C.Y.	\$ 4,690.50	\$ 4,929.00	\$ 9,619.50	4. Demolishing concrete pedestal that mill is on.
159.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 Ml RT, 1.71	B34D	221	0.036	C.Y.	\$ 128.79	\$ 402.27	\$ 531.06	5. Truck hauling concrete to quarry for disposal.
Totals										37,219.05

43 Preheat Tower

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
7,877.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	\$ 22,291.91	\$ 9,216.09	\$ 31,508.00	1. Cutting Preheat Tower and piping, ect. into 15' length pieces for scrap metal.
2,327.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 488.67	\$ 1,466.01	\$ 1,954.68	2. Loading trucks with scrap metal.
2,327.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 Ml RT, 4.11	B34A	160	0.05	C.Y.	\$ 2,606.24	\$ 5,282.29	\$ 7,888.53	3. Hauling scrap metal to rail head.
Totals										41,351.21

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44 Alkali Bag House

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,087.0	0512400100	Steel cutting, hand burning, including prep. steel to 1/2" thi	E14	70	0.114	L.F.	\$ 3,076.21	\$ 1,271.79	\$ 4,348.00	1. Cutting-up the Alkali Bag House into 15 foot length pieces for scrap metal with a torch.
129.0	0222381650	Excavating, bulk bank measure, FE header, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 27.09	\$ 81.27	\$ 108.36	2. Loading trucks with scrap metal.
129.0	022260030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 M.R.T. 4.11	B34A	160	0.05	C.Y.	\$ 144.48	\$ 292.63	\$ 437.31	3. Hauling scrap metal to rail head.
		Totals			\$ 3,247.78	\$ 1,645.89	\$ 4,893.67			

45 Storage

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
648.0	0206160100	Explosive/explosive dml, no disposal, conc bldg	BSB	16,900	C.F.	\$ 45.36	\$ 77.76	\$ 123.12	1. Demolition by explosion of Storage Building #AS & BLDG #1.	
30.0	0222381650	Excavating, bulk bank measure, FE header, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 6.30	\$ 18.90	\$ 25.20	2. Loading cost of Storage Building and foundation debris with a front end loader.
30.0	0222601220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 M.R.T. 1.71	B34D	221	0.038	C.Y.	\$ 24.30	\$ 75.90	\$ 100.20	3. Hauling concrete debris to the quarry for disposal.
8.0	0205542100	Site dml, conc, 7 to 24" thick, plain	BSB	33	1.212	C.Y.	\$ 177.00	\$ 186.00	\$ 363.00	4. Demolition cost of Storage Building foundation.
		Totals			\$ 252.96	\$ 356.56	\$ 611.52			

46 Pipeline

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
3.0	0512400100	Steel cutting, hand burning, Including prep. steel to 1/2" thi	E14	70	0.114	L.F.	\$ 8.49	\$ 3.51	\$ 12.00	1. Cutting the Pipeline with a torch.
1.2	0205542100	Site dml, conc, 7" to 24" thick, plain	BSB	33	1.212	C.Y.	\$ 35.40	\$ 31.20	\$ 72.60	2. Demolition concrete slab.
2.2	0222381650	Excavating, bulk bank measure, FE header, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 0.46	\$ 1.39	\$ 1.85	3. Loading trucks with concrete and scrap metal.
1.2	0222601220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 M.R.T. 1.71	B34D	221	0.038	C.Y.	\$ 0.97	\$ 3.04	\$ 4.01	4. Hauling clean concrete foundation to quarry for disposal.
1.0	022260030	Site dml, conc, 7 to 24" thick, plain	BSB	160	0.05	C.Y.	\$ 1.12	\$ 2.27	\$ 3.39	5. Hauling scrap metal to rail head.
		Totals			\$ 46.44	\$ 47.40	\$ 93.85			

47 Stack

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
301.0	0512400100	Steel cutting, hand burning, including prep. steel to 1/2" thi	E14	70	0.114	L.F.	\$ 851.83	\$ 352.17	\$ 1,204.00	1. Cutting up the Stack (47) into 15 foot length pieces for scrap metal with a torch.
7.0	0222381650	Excavating, bulk bank measure, FE header, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 1.47	\$ 4.41	\$ 5.88	2. Loading trucks with scrap metal.
7.0	022260030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 M.R.T. 4.11	B34A	160	0.05	C.Y.	\$ 7.84	\$ 15.89	\$ 23.73	3. Hauling scrap metal to rail head.
		Totals			\$ 861.14	\$ 372.47	\$ 1,233.61			

48 Coal Silo

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
11,583.0	0506160100	Explosive/explosive dml, no disposal, conc bldg	BSB	16,900	C.F.	\$ 810.81	\$ 1,389.96	\$ 2,200.77	1. Coal Silo demolition by explosion.	
35.0	0205542100	Site dml, conc, 7" to 24" thick, plain	BSB	33	1.212	C.Y.	\$ 1,032.50	\$ 1,085.00	\$ 2,117.50	2. Demolition of concrete pit below Coal Silo.
464.0	0222381650	Excavating, bulk bank measure, FE header, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 97.44	\$ 292.32	\$ 389.76	3. Loading trucks with conc. debris for quarry disposal & dumping 124 c.y. into pit below silo.
464.0	0222601220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 M.R.T. 1.71	B34D	221	0.038	C.Y.	\$ 375.84	\$ 1,173.92	\$ 1,549.76	4. Truck haulage to quarry for disposal of concrete debris.
		Totals			\$ 2,316.59	\$ 3,941.20	\$ 6,257.79			

49 Kiln Scanner Building

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
24.0	0512400100	Steel cutting, hand burning, including prep. steel to 1/2" thi	E14	70	0.114	L.F.	\$ 67.92	\$ 28.08	\$ 86.00	1. Cutting up the Kiln Scanner building into pieces for scrap metal with a torch.
9.5	0222381650	Excavating, bulk bank measure, FE header, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 2.00	\$ 5.99	\$ 7.98	2. Loading trucks with scrap metal.
9.5	022260030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 M.R.T. 4.11	B34A	160	0.05	C.Y.	\$ 10.84	\$ 21.57	\$ 32.21	3. Hauling scrap metal to rail head.
		Totals			\$ 80.56	\$ 55.63	\$ 136.19			

50 Coal Truck Dump

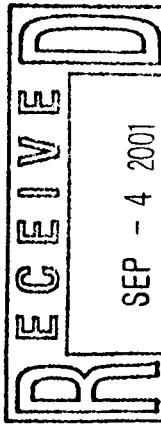
Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
250.0	0205542100	Site dml, conc, 7" to 24" thick, plain	BSB	33	1.212	C.Y.	\$ 7,375.00	\$ 7,750.00	\$ 15,125.00	1. Demolition of Coal Truck Dump pits. Concrete left in pit to partially fill it. Additional fill material will be obtained from the Control Room and Lab demolition to fill the hole.
		Totals			\$ 7,375.00	\$ 7,750.00	\$ 15,125.00			

51 Control Room & Lab

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,111.0	0205542000	Site dml, conc to 6" thick, rod reinforced	B36	200	0.2	S.Y.	\$ 5,443.80	\$ 5,610.55	\$ 11,054.45	1. Demolition of foundation for Control Room & Lab.
10,000.0	0207181000	Gutting, building interior, including disposal, commercial bldg	B16	350	0.081	S.F. Fl.	\$ 20,300.00	\$ 12,500.00	\$ 32,800.00	2. Gutting out the interior of the building and disposing of all materials.
531.0	0222381650	Excavating, bulk bank measure, FE header, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 111.51	\$ 334.53	\$ 446.04	3. Loading Control Room & Lab concrete debris into trucks for quarry disposal.
531.0	0222601220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 M.R.T. 4.11	B34D	221	0.036	C.Y.	\$ 430.11	\$ 1,343.43	\$ 1,773.54	4. Truck hauling of clean concrete to quarry for disposal.
9,342.0	0206160100	Explosive/explosive dml, no disposal, conc bldg	BSB	16,900	C.F.	\$ 653.94	\$ 1,121.04	\$ 1,774.98	5. Demolition by explosives of Control Room & Lab building.	
		Totals			\$ 26,939.46	\$ 20,309.55	\$ 47,849.01			

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D E C E N T E										
D O F O U R G A S & MINING										
Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
52	Switch Gear #7	Explosive/in explosive dml, no disposal, conc bldg	B5B	16,800	C.F.	\$ 130.41	\$ 223.56	\$ 353.97	1. Smith Gear #7 demolished by explosion.	
1,863.0	0206160100	Explosive/in explosive dml, no disposal, conc bldg	B38	33	1,212 C.Y.	\$ 1,876.50	\$ 2,077.00	\$ 4,053.50	2. Concrete pad demolished by Smith Gear #7.	
67.0	0205542100	Site dml, conc, 7' to 24" thick, plain	B10U	1,475	0.008 C.Y.	\$ 28.56	\$ 65.68	\$ 114.24	3. Loading trucks with concrete debris.	
136.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B34D	221	0.036 C.Y.	\$ 110.16	\$ 344.08	\$ 454.24	4. Truck haulage cost for delivery of concrete debris to quarry for disposal.	
136.0	0222681220	Hauling, LCY, no loading, 20 c.y. dump trailer, 3 Mi RT, 1.71	B34D	350	0.091 SF Fr.	\$ 2,436.00	\$ 1,500.00	\$ 3,936.00	5. Gutting building and disposing of the contents.	
1,200.0	0202161600	Gutting, building interior, including disposal, commercial bl	B16	Totals	\$ 4,981.63	\$ 4,230.32	\$ 8,911.95			
53	Burner Floor	Explosive/in explosive dml, no disposal, conc bldg	B5B	16,900	C.F.	\$ 130.41	\$ 223.56	\$ 353.97	1. Burner Floor demolition by explosion.	
1,863.0	0206160100	Explosive/in explosive dml, no disposal, conc bldg	B38	33	1,212 C.Y.	\$ 1,976.50	\$ 2,077.00	\$ 4,053.50	2. Concrete pad demolition by explosion.	
67.0	0205542100	Site dml, conc, 7' to 24" thick, plain	B10U	1,475	0.008 C.Y.	\$ 28.56	\$ 65.68	\$ 114.24	3. Loading trucks with concrete debris.	
136.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B10U	221	0.036 C.Y.	\$ 110.16	\$ 344.08	\$ 454.24	4. Truck haulage cost for delivery of concrete debris to quarry for disposal.	
136.0	0222681220	Hauling, LCY, no loading, 20 c.y. dump trailer, 3 Mi RT, 1.71	B34D	Totals	\$ 2,245.63	\$ 2,730.32	\$ 4,975.95			
54	Heat Exchanger	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114 L.F.	\$ 3,656.36	\$ 1,511.64	\$ 5,168.00	1. Cutting up the Heat Exchanger (54) into 15 foot length pieces for scrap metal.	
1,282.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114 L.F.	\$ 4,027.08	\$ 1,684.91	\$ 5,692.00	1. Cutting up the Bag House (55) into 15 foot length pieces for scrap metal with a torch.	
231.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B10U	1,475	0.008 C.Y.	\$ 37.59	\$ 112.77	\$ 194.04	2. Loading trucks with scrap metal.	
231.0	0222680300	Hauling, LCY, no loading, 8 c.y. dump truck, 1/2 Mi RT, 4.11	B34A	160	0.05 C.Y.	\$ 258.72	\$ 524.37	\$ 783.09	3. Hauling scrap metal to rail head.	
		Totals			\$ 3,963.59	\$ 2,181.54	\$ 6,145.13			
55	Bag House	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114 L.F.	\$ 3,656.36	\$ 1,511.64	\$ 5,168.00	1. Cutting up the Bag House (55) into 15 foot length pieces for scrap metal with a torch.	
1,423.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114 L.F.	\$ 4,027.08	\$ 1,684.91	\$ 5,692.00	1. Demolishing concrete foundation.	
179.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B10U	1,475	0.008 C.Y.	\$ 37.59	\$ 112.77	\$ 150.36	2. Loading trucks with concrete and scrap metal.	
179.0	0222680300	Hauling, LCY, no loading, 8 c.y. dump truck, 1/2 Mi RT, 4.11	B34A	160	0.05 C.Y.	\$ 200.48	\$ 408.33	\$ 608.81	3. Hauling scrap metal to rail head.	
		Totals			\$ 4,265.16	\$ 2,184.01	\$ 6,449.17			
56	Power Wash Room	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114 L.F.	\$ 11.32	\$ 4.68	\$ 18.00	1. Cutting up the Power Wash Room building into pieces for scrap metal with a torch.	
7.5	0205542100	Site dml, conc, 7' to 24" thick, plain	B38	33	1,212 C.Y.	\$ 221.25	\$ 232.50	\$ 453.75	2. Demolishing concrete foundation.	
12.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B10U	1,475	0.008 C.Y.	\$ 2.52	\$ 7.56	\$ 10.08	3. Loading trucks with concrete and scrap metal.	
7.5	0222681220	Hauling, LCY, no loading, 20 c.y. dump trailer, 3 Mi RT, 1.71	B34D	221	0.036 C.Y.	\$ 6.08	\$ 18.98	\$ 25.05	4. Hauling clean concrete foundation to quarry for disposal.	
4.5	0222680300	Hauling, LCY, no loading, 8 c.y. dump truck, 1/2 Mi RT, 4.11	B34A	160	0.05 C.Y.	\$ 5.04	\$ 10.22	\$ 15.26	5. Hauling scrap metal to rail head.	
		Totals			\$ 246.21	\$ 273.93	\$ 520.14			
57	Water Treatment (Glyco Cooler)	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114 L.F.	\$ 748.95	\$ 310.05	\$ 1,060.00	1. Cutting up the Water Treatment (Glyco Cooler) building into pieces for scrap metal.	
7.5	0205542100	Site dml, conc, 7' to 24" thick, plain	B38	33	1,212 C.Y.	\$ 472.00	\$ 496.00	\$ 968.00	2. Demolishing concrete foundation.	
16.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B10U	1,475	0.008 C.Y.	\$ 11.97	\$ 35.91	\$ 47.88	3. Loading trucks with concrete and scrap metal.	
16.0	0222681220	Hauling, LCY, no loading, 20 c.y. dump trailer, 3 Mi RT, 1.71	B34D	221	0.036 C.Y.	\$ 12.86	\$ 40.48	\$ 53.44	4. Hauling clean concrete foundation to quarry for disposal.	
4.5	0222680300	Hauling, LCY, no loading, 8 c.y. dump truck, 1/2 Mi RT, 4.11	B34A	160	0.05 C.Y.	\$ 45.92	\$ 93.07	\$ 138.99	5. Hauling scrap metal to rail head.	
		Totals			\$ 1,292.80	\$ 975.51	\$ 2,268.31			
58	Gypsum Silos	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114 L.F.	\$ 279.72	\$ 479.52	\$ 759.24	1. Cutting up the Gypsum Silo demolition by explosion.	
3,986.0	0206160100	Explosive/in explosive dml, no disposal, conc bldg	B5B	16,900	C.F.	\$ 130.41	\$ 223.56	\$ 353.97	2. Front end loader cost to load trucks.	
148.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B10U	1,475	0.008 C.Y.	\$ 453.60	\$ 1,360.80	\$ 1,814.40	3. Load the concrete silos debris on trucks.	
148.0	0222681220	Hauling, LCY, no loading, 20 c.y. dump trailer, 3 Mi RT, 1.71	B34D	221	0.036 C.Y.	\$ 1,888.04	\$ 5,272.52	\$ 6,960.56	4. Truck haul the clean concrete slab debris to the quarry for disposal of concrete debris.	
56,288.0	0206160100	Explosive/in explosive dml, no disposal, conc bldg	B5B	16,900	C.F.	\$ 3,938.76	\$ 6,752.16	\$ 10,690.92	5. Demolition by explosive of 2 Gypsum Silos.	
		Totals			\$ 10,283.17	\$ 16,260.35	\$ 26,543.52			



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61 Truck Scale

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
72.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	\$ 263.76	\$ 84.24	\$ 288.00	1. Cutting the Tank Scale into pieces with a torch.
134.0	0205542100	Site dml, conc. 7" to 24" thick, plain	B38	33	1.212	C.Y.	\$ 3,953.00	\$ 4,154.00	\$ 8,107.00	2. Demolishing the Tank Scale Pit, removing debris in the hole.
4.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 0.84	\$ 2.52	\$ 3.36	3. Loading trucks with concrete and scrap metal.
4.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 Mi RT, 4.11	B34A	160	0.05	C.Y.	\$ 4.48	\$ 9.08	\$ 13.56	4. Hauling scrap metal to rail head.
		Totals					\$ 4,162.08	\$ 4,249.84	\$ 8,411.92	

62 Scale House

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
2.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	\$ 5.68	\$ 2.34	\$ 8.00	1. Cutting the Scale House from the foundation with a torch.
0.5	0205542100	Site dml, conc. 7" to 24" thick, plain	B38	33	1.212	C.Y.	\$ 14.75	\$ 15.50	\$ 30.25	2. Demolishing the Scale House conc. pad and put debris truck scale pit hole.
1.1	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 0.23	\$ 0.69	\$ 0.92	3. Loading trucks with scrap metal.
0.6	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 Mi RT, 4.11	B34A	160	0.05	C.Y.	\$ 0.87	\$ 1.36	\$ 2.03	4. Hauling scrap metal to rail head.
		Totals					\$ 21.31	\$ 19.90	\$ 41.21	

63 Clinker Storage

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
3,227.0	0222781700	Ripping, trap rock, medium hard, 300 HP dozer, adverse co	B10M	540	0.022	C.Y.	\$ 1,671.68	\$ 8,712.18	\$ 8,583.82	1. Ripping Clinker Storage Yard with a dozer.
		Totals					\$ 1,871.68	\$ 6,712.16	\$ 8,583.82	

64 Water Supply Well

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
4.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	\$ 11.32	\$ 4.88	\$ 16.00	1. Cutting-up the Water Supply Well building into pieces for scrap metal with a torch.
7.5	0205542100	Site dml, conc. 7" to 24" thick, plain	B38	33	1.212	C.Y.	\$ 221.25	\$ 232.50	\$ 453.75	2. Demolishing concrete foundation.
12.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 2.52	\$ 7.56	\$ 10.08	3. Loading trucks with concrete and scrap metal.
7.5	0222861220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 Mi RT, 1.71	B34D	221	0.038	C.Y.	\$ 6.08	\$ 18.98	\$ 25.05	4. Hauling clean concrete foundation to quarry for disposal.
4.5	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 Mi RT, 4.11	B34A	160	0.05	C.Y.	\$ 5.04	\$ 10.22	\$ 15.26	5. Hauling scrap metal to rail head.
		Totals					\$ 246.21	\$ 273.93	\$ 520.14	

65 First Aid Room

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,917.0	0206160100	Explosive/explosive dml, no dispose, conc bldg	B5B	16,900	0.008	C.F.	\$ 134.19	\$ 230.04	\$ 364.23	1. Demolition with explosives of First Aid Room.
71.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 14.91	\$ 44.73	\$ 58.64	2. Loading trucks with clean concrete from building to deliver to quarry.
71.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 Mi RT, 1.71	B34D	221	0.036	C.Y.	\$ 57.51	\$ 179.63	\$ 231.14	3. Truck haulage to quarry of concrete from First Aid Room.
1,470.0	0207161000	Gutting, building interior, including disposal, commercial bl	B18	350	0.091	SF/Fr.	\$ 2,984.10	\$ 1,837.50	\$ 4,821.60	4. Getting building and disposing of contents.
		Totals					\$ 3,190.71	\$ 2,291.90	\$ 5,482.61	

66 Instrument Shop

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
810.0	0206160100	Explosive/explosive dml, no dispose, conc bldg	B5B	16,900	0.008	C.F.	\$ 58.70	\$ 97.20	\$ 153.90	1. Demolition with explosives of Instrument Shop.
30.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 6.30	\$ 18.90	\$ 25.20	2. Loading trucks with clean concrete from building to deliver to quarry.
30.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 Mi RT, 1.71	B34D	221	0.036	C.Y.	\$ 24.30	\$ 75.90	\$ 100.20	3. Truck haulage to quarry of concrete from Instrument Shop.
		Totals					\$ 87.30	\$ 192.00	\$ 279.30	

67 Stack

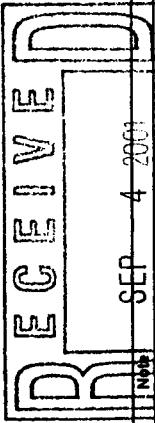
Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
694.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	\$ 1,984.02	\$ 811.98	\$ 2,776.00	1. Cutting-up the Stack (67) into 15 foot length pieces for scrap metal with a torch.
15.2	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 3.19	\$ 9.58	\$ 12.77	2. Loading trucks with concrete and scrap metal.
15.2	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 Mi RT, 4.11	B34A	160	0.05	C.Y.	\$ 17.02	\$ 34.50	\$ 51.53	3. Hauling scrap metal to rail head.
		Totals					\$ 1,984.24	\$ 856.06	\$ 2,840.30	

68 Kiln

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
301.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	\$ 851.83	\$ 352.17	\$ 1,204.00	1. Cutting-up the Kiln into pieces for scrap metal with a torch.
7.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 1.47	\$ 4.41	\$ 5.88	2. Loading trucks with concrete and scrap metal.
7.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 Mi RT, 4.11	B34A	160	0.05	C.Y.	\$ 7.84	\$ 15.89	\$ 23.73	3. Hauling scrap metal to rail spur.
		Totals					\$ 861.14	\$ 372.47	\$ 1,233.61	

69 Kiln

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
891.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	\$ 2,804.53	\$ 1,159.47	\$ 3,984.00	1. Cutting-up the Kiln into pieces for scrap metal with a torch.
92.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 19.32	\$ 57.96	\$ 77.28	2. Loading trucks with concrete and scrap metal.
92.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 Mi RT, 4.11	B34A	160	0.05	C.Y.	\$ 103.04	\$ 208.84	\$ 311.88	3. Hauling scrap metal to rail spur.
		Totals					\$ 2,926.85	\$ 1,426.27	\$ 4,353.16	



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70 Off-Spec Clinker Silo

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
613.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" th. E14		0.114	L.F.	\$	1,734.79	\$	717.21	1. Cutting the Silo into 15 foot length pieces for scrap metal.
358.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c B10U	1,475	0.008	C.Y.	\$	75.18	\$	225.54	2. Loading trucks with concrete and scrap metal.
342.0	0222861220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.71 B34D	221	0.038	C.Y.	\$	277.02	\$	665.26	3. Hauling concrete foundation to quarry for disposal.
16.0	0222860030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.11 B34A	160	0.05	C.Y.	\$	17.92	\$	36.32	4. Hauling concrete foundation to rail head.
		Totals				\$	2,104.91	\$	1,844.33	\$ 3,949.24

71 Clinker Elevator

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
334.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" th. E14		0.114	L.F.	\$	945.22	\$	390.78	1. Cutting up the Silo into 15 foot length pieces for scrap metal with a torch.
47.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c B10U	1,475	0.008	C.Y.	\$	9.87	\$	29.61	2. Loading trucks with scrap metal.
47.0	0222860030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.11 B34A	160	0.05	C.Y.	\$	52.64	\$	106.69	3. Hauling scrap metal to rail head.
		Totals				\$	1,007.73	\$	527.08	\$ 1,534.81

72 Glycol Dist. Building

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,080.0	026160100	Explosive/explosive dm, no disposal, conc bldg	B5B	16,960	C.F.	\$	75.60	\$	128.60	205.20 1. Demolition by explosion of Glycol Dist. Building.
71.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c B10U	1,475	0.008	C.Y.	\$	14.91	\$	44.73	59.64 2. Loading cost of Glycol Dist. Building and foundation debris with a front end loader.
56.0	0222861220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.71 B34D	221	0.036	C.Y.	\$	45.36	\$	141.68	3. Hauling concrete debris to the quarry for disposal.
16.0	0205542100	Site dm, conc, 7" to 24" thick, plain	B38	33	0.212	C.Y.	\$	472.00	\$	988.00 4. Demolishing concrete foundation.
150.0	026160100	Steel cutting, hand burning, including prep, steel to 1/2" th. E14	70	0.114	L.F.	\$	424.50	\$	175.50	5. Demolition cutting steel piping in Glycol distribution building.
15.0	0222860030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.11 B34A	160	0.05	C.Y.	\$	16.80	\$	34.05	6. Hauling scrap metal and pumps to rail spur.
2.0	0222860560	Hauling, LCY, no loading, 12 c.y dump truck, 20 MI RT, 0.4 B34B	39	0.205	C.Y.	\$	9.12	\$	22.80	7. Cost of hauling fiberglass debris. Add \$36.50 for circular saw rental & \$160 labor.
		Totals				\$	1,056.29	\$	1,044.16	\$ 2,102.45

73 Tunnel Clinker Silos

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note	
336.4	026160100	Site dm, conc, 7" to 24" thick, plain	B38	33	1,212	C.Y.	\$	9,923.80	\$	10,428.40	20,352.20 1. Demolishing concrete Tunnel to Clinker Silos and leaving concrete debris in the hole.
1,113.0	0222840000	Backfill structural, 200 H.P., 50' haul, sand & gravel	B10B	2,500	0.005	C.Y.	\$	144.69	\$	378.42	523.11 2. Pushing earth over the remaining hole after Tunnel demolition with a dozer.
		Totals				\$	10,068.49	\$	10,806.82	\$ 20,875.31	

74 Clinker Conveyor

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
883.0	026160100	Steel cutting, hand burning, including prep, steel to 1/2" th. E14		0.114	L.F.	\$	2,498.89	\$	1,033.11	3,532.00 1. Cutting the conveyor into pieces for scrap metal.
42.7	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c B10U	1,475	0.008	C.Y.	\$	8.97	\$	26.90	2. Loading trucks with scrap metal.
42.7	0222860030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.11 B34A	160	0.05	C.Y.	\$	47.82	\$	96.93	3. Hauling scrap metal to rail head.
		Totals				\$	2,555.88	\$	1,156.94	\$ 3,712.62

75 Bridge Over Canal

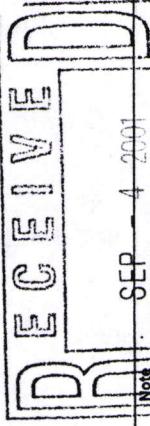
Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note	
1,350.0	0207141640	Framing demo, conc, avg reinforcing, slabs, elevated, 8" th. B9	450	0.089	S.F.	\$	2,632.50	\$	540.00	3,172.50 1. Canal bridge deck, 8" inch reinforced concrete.	
60.0	0207141320	Framing demo, concrete, average reinforcing, columns, 14"	B9	100	0.4	L.F.	\$	528.00	\$	107.40	635.40 2. 4' 11" x 14" support columns for bridge.
60.0	0207141400	Framing demo, concrete, average reinforcing, girders, 14" x 16" girder.	B9	55	0.727	L.F.	\$	957.00	\$	195.60	1,122.60 3. 12' 2" x 14" x 16" girders.
36.0	0222861220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.71 B34D	221	0.036	C.Y.	\$	28.18	\$	91.08	120.24 4. Truck hauling concrete portion of bridge to quarry for disposal.	
36.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c B10U	1,475	0.008	C.Y.	\$	7.58	\$	22.68	30.24 5. Loading cost of canal bridge concrete into trucks.	
6.0	0222860030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.11 B34A	1,475	0.008	C.Y.	\$	1.26	\$	3.78	5.04 6. Loading and placing steel reinforcing in scrap pile at rail head.	
		Totals				\$	4,155.48	\$	960.54	\$ 5,116.02	

76 Process Duct

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
2,267.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" th. E14		0.114	L.F.	\$	6,415.61	\$	2,652.39	9,068.00 1. Cutting the Process Duct into pieces for scrap metal with a torch.
252.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c B10U	1,475	0.008	C.Y.	\$	52.92	\$	158.76	211.68 2. Loading trucks with scrap metal.
252.0	0222860030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.11 B34A	160	0.05	C.Y.	\$	282.24	\$	572.04	654.26 3. Hauling scrap metal to rail head.
		Totals				\$	6,750.77	\$	3,383.19	\$ 10,133.96

77 Cement Dist. Point To Silos

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
883.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" th. E14		0.114	L.F.	\$	2,488.89	\$	1,033.11	3,532.00 1. Cutting the Cement Distribution Point to Silos into pieces for scrap metal.
42.7	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c B10U	1,475	0.008	C.Y.	\$	8.87	\$	26.90	35.87 2. Loading trucks with scrap metal.
42.7	0222860030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.11 B34A	160	0.05	C.Y.	\$	47.62	\$	86.93	144.75 3. Hauling scrap metal to rail head.
		Totals				\$	2,555.68	\$	1,166.94	\$ 3,712.62



Surety Estimate Using CostWorks 1999 - Ash Grove Cement Co. - Leamington Plant & Quarry

100 Switch Gear #2

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1.0	026160100	Explosive/explosive dml, no disposal, conc bldg	B5B	16,900	C.F.	\$	71.12	\$	193.04	1. Smith Gear #2 demolition by explosion.
13.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1,212	C.Y.	383.50	\$	786.50	2. Concrete pad demolition for Smith Gear #2.
51.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B10U	1,475	0.008	C.Y.	10.71	\$	42.84	3. Loading trucks with concrete debris.
51.0	0222662130	Hauling, off hwy haulers, 60 CY rearbot dump, 1000 RT, 3	B34J	1,400	0.006	C.Y.	6.63	\$	81.09	4. Hauling heavy debris to quarry for disposal.
432.0	0207161000	Gutting, building interior, including disposal, commercial bl	B16	350	0.091	SF Flr.	876.96	\$	540.00	5. Gutting the building interior and disposing of contents.
		Totals							1,178.14	\$ 2,527.06

101 Crusher

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
208.0	0512400200	Steel cutting, torch cutting, 1" thick	E14	45	0.178	L.F.	919.60	\$	380.38	1. Torch cutting to reduce metal portions to loadable size.
42.0	026160100	Explosive/explosive dml, no disposal, conc bldg	B5B	16,900	C.F.	\$	294.04	\$	5,041.44	2. Demolition with explosives of concrete portions of the crusher.
1,568.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B10U	1,475	0.008	C.Y.	329.28	\$	987.84	3. Loading concrete debris and steel scrap into trucks.
1.0	0164602300	150 ton cap., truck mounted crane	E.a.				160.00	\$	1,574.00	4. Loading heavy large crusher pieces into trucks.
12.0	0222662120	Hauling, LCY, no loading, 20 cy dump trailer, 3 Ml RT, 1.71	B34D	221	0.036	C.Y.	9.72	\$	30.36	5. Truck hauling scrap metal to rail spur.
1,556.0	0222662130	Hauling, off hwy haulers, 60 CY rearbot dump, 1000 RT, 3	B34J	1,400	0.006	C.Y.	202.28	\$	2,474.04	6. Truck hauling concrete debris to quarry for disposal.
		Totals					4,561.72	\$	10,488.06	\$ 15,049.78

102 Lunch Room

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
918.0	026160100	Explosive/explosive dml, no disposal, conc bldg	B5B	16,900	C.F.	\$	64.26	\$	110.16	1. Lunch Room (101) demolition by explosion.
14.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1,212	C.Y.	413.00	\$	434.00	2. Concrete slab demolition for Lunch Room.
48.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B10U	1,475	0.008	C.Y.	10.08	\$	30.24	3. Loading concrete debris and steel scrap into trucks.
48.0	0222662130	Hauling, off hwy haulers, 60 CY rearbot dump, 1000 RT, 3	B34J	1,400	0.006	C.Y.	6.24	\$	76.32	4. Hauling concrete debris to the quarry for disposal.
441.0	0207161000	Gutting, building interior, including disposal, commercial bl	B16	350	0.091	SF Flr.	895.23	\$	551.25	5. Cutting building and disposing of contents.
		Totals					1,388.81	\$	1,201.97	\$ 2,590.78

103 Pump House

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
2.0	012400100	Steel cutting, hand burning, including prep. steel to 1/2" thi	E14	70	0.114	L.F.	5.66	\$	2.34	1. Cutting loose the metal Pump House (103) from the concrete slab with a torch.
3.6	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B10U	1,475	0.008	C.Y.	0.76	\$	2.27	2. Loading trucks with concrete and scrap metal.
1.6	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1,212	C.Y.	47.20	\$	49.60	3. Cost of demolishing concrete slab.
2.0	0222660150	Hauling, LCY, no loading, 6 cy dump truck, 3 Ml RT, 2.1 Id	B34A	80	0.1	C.Y.	4.46	\$	9.06	4. Haulage cost of scrap metal to rail head.
1.6	0222662130	Hauling, off hwy haulers, 60 CY rearbot dump, 1000 RT, 3	B34J	1,400	0.006	C.Y.	0.21	\$	2.54	5. Truck hauling cost of concrete debris to quarry for disposal.
		Totals					58.28	\$	65.81	\$ 124.10

104 Water Tank

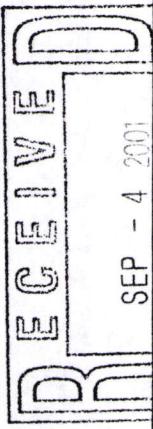
Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
4.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1,212	C.Y.	118.00	\$	124.00	1. Demolishing concrete pad.
6.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B10U	1,475	0.008	C.Y.	1.26	\$	3.78	2. Loading concrete debris and scrap metal into trucks.
4.0	0222662130	Hauling, off hwy haulers, 60 CY rearbot dump, 1000 RT, 3	B34J	1,400	0.006	C.Y.	0.52	\$	6.36	3. Cleaning the inside of the diesel tanks.
79.0	0207300010	Torch cutting steel, 1" thick plate	1 Clab	32	0.25	L.F.	422.65	\$	-	4. Cutting up Water Tank with a torch.
2.0	0222660150	Hauling, LCY, no loading, 6 cy dump truck, 3 Ml RT, 2.1 Id	B34A	80	0.1	C.Y.	4.46	\$	9.06	5. Hauling scrap metal to rail head pile.
		Totals					546.89	\$	143.20	\$ 690.09

105 Diesel/Fuel Tank

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
4.0	012400100	Site dml, conc, 7" to 24" thick, plain	B38	33	1,212	C.Y.	0.84	\$	2.52	1. Cutting up the C-111 Cover (107) into pieces for scrap metal with a torch.
4.0	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B10U	1,475	0.008	C.Y.	73.00	\$	174.00	2. Demolishing concrete foundation.
1.0	0208800320	Removal of ugnd stor lk, 9000gal to 12,000gal tank	A13	3	2.667	Ea.				3.36 3. Loading concrete debris and scrap metal into trucks.
1.0	0208801029	Removal of ugnd stor lk, haul to certified salv dump, 9000g	B34A	100	0.08	C.Y.				4. Cleaning the inside of the diesel tanks.
4.0	0222660150	Hauling, LCY, no loading, 6 cy dump truck, 2 Ml RT, 2.6 Id	B34J	221	0.036	C.Y.	9.96	\$	31.12	5. Hauling away and proper disposal of the tanks.
		Totals					192.36	\$	306.88	\$ 1,349.24

106 C-111 Cover

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
257.0	0512400100	Steel cutting, hand burning, including prep. steel to 1/2" thi	E14	70	0.114	L.F.	727.31	\$	300.69	1. Cutting up the C-111 Cover (107) into pieces for scrap metal with a torch.
12.3	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1,212	C.Y.	362.85	\$	381.30	2. Demolishing concrete foundation.
27.3	0222381650	Excavating, bulk bank measure, FE loader, whl mid, 5 CY c	B10U	1,475	0.008	C.Y.	5.73	\$	17.20	3. Loading trucks with concrete and scrap metal.
15.0	0222660150	Hauling, LCY, no loading, 6 cy dump truck, 2 Ml RT, 2.6 Id	B34A	100	0.08	C.Y.	26.70	\$	54.30	4. Hauling scrap metal to rail head.
12.3	0222661220	Hauling, LCY, no loading, 20 cy dump truck, 3 Ml RT, 1.71	B34D	221	0.036	C.Y.	9.96	\$	31.12	5. Hauling concrete to quarry for disposal.
		Totals					1,132.56	\$	784.61	\$ 1,917.16



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107 Switch Gear #3

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
893.0	026160100	Explosives/explosive dml, no disposal, conc bldg	B5B	16,900	C.F.	\$	62.51	\$	107.16	1. Swift Gear #3 demolition by explosion.
10.0	020542100	Sltd dml, conc, 7" to 24" thick, plain	B38	33	1,212 C.Y.	\$	285.00	\$	310.00	2. Concrete pad demolition for Swift Gear #3.
43.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008 C.Y.	\$	9.03	\$	27.09	3. Loading truck with pony for debris.
43.0	0222661220	Hauling, LCY, no loading, 20 c.y. dump truck, 3 MI RT, 1.71	B34D	221	0.036 C.Y.	\$	34.83	\$	108.79	4. Hauling concrete debris to quarry for disposal.
400.0	0207161000	Gutting, building interior, including disposal, commercial bl	B16	350	0.091 SFC Flr.	\$	812.00	\$	500.00	5. Gutting building and disposing of contents.
		Totals				\$	1,213.37	\$	1,053.04	\$ 2,266.41

108 B-8 Overland Belt

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
2,082.0	0512400200	Steel cutting, torch cutting, 1" thick	E14	45	0.178 L.F.	\$	9,160.80	\$	3,789.24	1. Cutting up Overland Conveyor (108) into scrap metal with a torch.
427.0	0222381601	Excavating, bulk bank measure, FE loader, whl mtd, 3 CY c	B10T	1,125	0.011 C.Y.	\$	119.56	\$	170.80	2. Loading scrap steel from conveyor into trucks.
28.7	026120100	Dump charges, typical urban city, fees only, bldg const ma			Ton	\$	-	\$	-	3. Dump disposal in Delta of cut-up conveyor belt.
1.0	0164206100	Circular saw rental and labor								4. Cutting up the conveyor belt with a circular saw for hauling to dump.
50.0	0222661130	Hauling, LCY, no loading, 16.5 c.y. dump trailer, 20 mi RT,	B34C	54	0.148 C.Y.	\$	164.50	\$	515.00	5. Hauling cut-up conveyor belt to Delta, UT dump.
66.0	0222664700	Highway hauling beyond 20 miles, per loaded mile, minimu			Mile	\$	-	\$	-	6. Additional miles of travel beyond 20 miles per round trip at \$0.95/mile or \$63 total.
377.0	0222660150	Hauling, LCY, no loading, 6 c.y. dump truck, 3 MI RT, 2.1d	B34A	80	0.1 C.Y.	\$	840.71	\$	1,707.81	7. Hauling scrap metal from cut-up conveyor to tail spur pile.
		Totals				\$	10,285.57	\$	6,255.85	\$ 18,386.29

109 Hopper

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
123.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114 L.F.	\$	348.09	\$	143.91	1. Cutting-up the Storage building into 15 foot length pieces for scrap metal with a torch.
2.9	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008 C.Y.	\$	0.61	\$	1.83	2. Loading trucks with scrap metal.
2.9	0222660100	Hauling, LCY, no loading, 6 c.y. dump truck, 2 MI RT, 2.6d	B34A	100	0.08 C.Y.	\$	5.16	\$	10.50	3. Hauling scrap metal to tail head for disposal.
		Totals				\$	353.86	\$	156.24	\$ 510.10

110 Transfer Tower

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
995.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008 C.Y.	\$	208.95	\$	626.85	1. Loading trucks with scrap metal from Transfer Tower (110).
995.0	0222660100	Hauling, LCY, no loading, 6 c.y. dump truck, 2 MI RT, 2.6d	B34A	100	0.08 C.Y.	\$	1,771.10	\$	3,601.90	2. Hauling scrap metal to tail spur.
240.0	0512400200	Steel cutting, torch cutting, 1" thick	E14	45	0.178 L.F.	\$	1,056.00	\$	436.80	3. Torch cutting of Transfer Tower into 15' length pieces.
		Totals				\$	3,036.05	\$	4,665.55	\$ 7,701.60

111 Stackers/Reclaimer

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
3,202.0	0512400200	Steel cutting, torch cutting, 1" thick	E14	45	0.178 L.F.	\$	14,088.80	\$	5,821.64	1. Cutting up Stackers/Reclaimer and conveyors.
1,588.0	0222381601	Excavating, bulk bank measure, FE loader, whl mtd, 3 CY c	B10T	1,125	0.011 C.Y.	\$	444.64	\$	635.20	2. Loading scrap steel and conveyor belts into trucks.
40.0	026120100	Dump charges, typical urban city, fees only, bldg const ma			Ton	\$	-	\$	-	3. Dump disposal in Delta of cut-up conveyor belt.
1.0	0164206100	Circular saw rental and labor			Ea	\$	-	\$	-	4. Cutting conveyor belts up into 15 ft lengths for disposal.
88.0	0222661130	Hauling, LCY, no loading, 16.5 c.y. dump trailer, 20 mi RT,	B34C	54	0.148 C.Y.	\$	289.52	\$	906.40	5. Hauling cut-up conveyor belt to Delta, UT dump.
132.0	0222664700	Highway hauling beyond 20 miles, per loaded mile, minimu			Mile	\$	-	\$	-	6. Additional miles of travel beyond 20 miles per round trip at \$0.95/mile or \$125 total.
1,500.0	0222660150	Hauling, LCY, no loading, 6 c.y. dump truck, 3 MI RT, 2.1d	B34A	80	0.1 C.Y.	\$	3,345.00	\$	6,795.00	7. Hauling scrap metal from cut-up conveyor to tail spur pile.
11,051.0	0222782100	Ripping, trap rock, very hard 460 HP dozer, adverse conditi	B10X	270	0.044 C.Y.	\$	12,229.67	\$	55,807.55	8. Ripping Stackers/Reclaimer pad area with dozer.
		Totals				\$	31,257.63	\$	70,044.79	\$ 103,570.46

112 Cap Magazine

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
2.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008 C.Y.	\$	0.42	\$	1.26	1. Loading truck with Cap Magazine (112) for scrap metal.
2.0	0222660150	Hauling, LCY, no loading, 6 c.y. dump truck, 3 MI RT, 2.1d	B34A	80	0.1 C.Y.	\$	4.46	\$	9.06	2. Haulage cost of scrap metal to tail head.
26.0	0207300010	Torch cutting steel, 1" thick plate	1 Club	32	0.25 L.F.	\$	139.10	\$	-	3. Torch cutting of Detonator Magazine in half for scrap metal.
		Totals				\$	4.88	\$	10.32	\$ 15.20

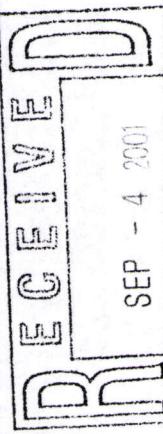
- Assume that the Anfo supplier wants his trailer back and will come and retrieve it.

113 Anfo Trailer Storage

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
4.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008 C.Y.	\$	0.84	\$	2.52	1. Loading truck with Anfo Bin (115) debris for scrap metal.
4.0	0222660150	Hauling, LCY, no loading, 6 c.y. dump truck, 3 MI RT, 2.1d	B34A	80	0.1 C.Y.	\$	8.92	\$	18.12	2. Haulage cost of scrap metal to tail head.
26.0	0207300010	Torch cutting steel, 1" thick plate	1 Club	32	0.25 L.F.	\$	272.85	\$	-	3. Torch cutting of Detonator Magazine in half for scrap metal.
		Totals				\$	282.61	\$	20.64	\$ 303.25

114 Detonator Magazine

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
4.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008 C.Y.	\$	0.84	\$	2.52	1. Loading truck with Anfo Bin (115) debris for scrap metal.
4.0	0222660150	Hauling, LCY, no loading, 6 c.y. dump truck, 3 MI RT, 2.1d	B34A	80	0.1 C.Y.	\$	8.92	\$	18.12	2. Haulage cost of scrap metal to tail head.
51.0	0207300010	Torch cutting steel, 1" thick plate	1 Club	32	0.25 L.F.	\$	272.85	\$	-	3. Torch cutting the legs and cross braces off the Anfo Bin (115) for scrap metal.
		Totals				\$	282.61	\$	20.64	\$ 303.25



Surety Estimate Using CostWorks 1999 - Ash Grove Cement Co. - Leamington Plant & Quarry

Demolition of Concrete & Asphalt Roadways and Flatwork In Process Area

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
14,126.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1,212	C.Y.	\$ 416,717.00	\$ 437,906.00	\$ 854,623.00	1. Demolishing average 10 inch thick concrete roadways in plant facilities area.
15,767.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 3,011.00	\$ 9,933.21	\$ 13,244.28	2. Loading demolished concrete and asphalt on trucks with a front end loader.
14,767.0	0225541750	Site demo, no hauling, pavement removal, bit, 4" to 6" thick	B38	420	0.095	S.Y.	\$ 34,407.11	\$ 35,726.14	\$ 70,143.25	3. Demolishing asphalt pads and roads in process facilities area.
1,689.0	0222661150	Hauling, LCY, no loading, 20 c.y. dump trailer, 1 MI RT, 2.5I	B34D	325	0.025	C.Y.	\$ 912.06	\$ 2,905.08	\$ 3,817.14	4. Cost for truck hauling concrete and asphalt debris to rail head pile.
27,845.0	0222782500	Ripping, shale, medium hard, 300 HP dozer, adverse condi	B10M	650	0.018	C.Y.	\$ 13,365.60	\$ 48,171.85	\$ 61,537.45	5. Dozer ripping of 17.48 acres of process facilities area and roads for final regrading.
Totals							\$ 468,712.84	\$ 534,652.28	\$ 1,003,365.12	

North Road Access

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,458.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1,212	C.Y.	\$ 430,111.00	\$ 45,198.00	\$ 88,209.00	1. Demolishing average 10 inch thick concrete roadways in plant facilities area.
1,638.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 343.98	\$ 1,031.94	\$ 1,375.92	2. Loading demolished concrete and asphalt on trucks with a front end loader.
180.0	0205541750	Site demo, no hauling, pavement removal, bit, 4" to 6" thick	B38	420	0.095	S.Y.	\$ 419.40	\$ 435.60	\$ 855.00	3. Demolishing asphalt pads and roads in process facilities area.
1,638.0	0222661150	Hauling, LCY, no loading, 20 c.y. dump trailer, 1 MI RT, 2.5I	B34D	325	0.025	C.Y.	\$ 884.52	\$ 2,817.36	\$ 3,701.88	4. Cost for truck hauling asphalt debris to rail head pile.
4,222.0	0222782500	Ripping, shale, medium hard, 300 HP dozer, adverse condi	B10M	650	0.018	C.Y.	\$ 2,028.56	\$ 7,304.06	\$ 9,330.62	5. Dozer ripping roads for final regrading.
Totals							\$ 46,685.46	\$ 56,786.96	\$ 103,472.42	

South Access Road

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
4,444.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1,212	C.Y.	\$ 131,098.00	\$ 137,764.00	\$ 268,862.00	1. Demolishing average 10 inch thick concrete south access road.
4,444.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 933.24	\$ 2,799.72	\$ 3,732.96	2. Loading demolished concrete and asphalt on trucks with a front end loader.
4,444.0	0222661150	Hauling, LCY, no loading, 20 c.y. dump trailer, 1 MI RT, 2.5I	B34D	325	0.025	C.Y.	\$ 2,399.76	\$ 7,643.68	\$ 10,043.44	3. Cost for truck hauling concrete debris to rail head pile.
10,667.0	0222782500	Ripping, shale, medium hard, 300 HP dozer, adverse condi	B10M	650	0.018	C.Y.	\$ 5,120.16	\$ 18,453.91	\$ 23,574.07	4. Dozer ripping roads for final regrading.
Totals							\$ 133,551.16	\$ 166,661.31	\$ 306,212.47	

Reclamation Channels

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
8,000.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	\$ 1,680.00	\$ 5,040.00	\$ 6,720.00	1. Excavating channels with a front end loader.
14,223.0		Erosion Control Mat					\$ 55,009.64	\$ 95,009.64	\$ 140,009.28	2. Material cost obtained from distributor on Erosion control mat
14,223.0	0270540110	Install Erosion Control Mat	2 Clab	1,600	0.01	S.Y.	\$ 2,986.83	\$ 2,986.83	\$ 5,973.66	3. Install Erosion Control Mat
8,000.0	0222782500	Ripping, trap rock, medium hard, 300 HP dozer, adverse co	B10M	650	0.018	C.Y.	\$ 3,840.00	\$ 13,840.00	\$ 17,680.00	4. Dozer excavating reclamation drainages, tipping embankments.
Totals							\$ 8,506.83	\$ 113,889.64	\$ 122,396.47	

Pond #2

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
3,184.0	0222782500	Ripping, trap rock, medium hard, 300 HP dozer, adverse co	B10M	650	0.018	C.Y.	\$ 1,528.32	\$ 5,508.32	\$ 7,036.64	1. Dozer removing diversion structures, tipping embankments.
Totals							\$ 1,528.32	\$ 5,508.32	\$ 7,036.64	

Pond #3

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,328.0	0222782500	Ripping, trap rock, medium hard, 300 HP dozer, adverse co	B10M	650	0.018	C.Y.	\$ 637.44	\$ 2,297.44	\$ 2,934.88	1. Dozer removing diversion structures, tipping embankments.
Totals							\$ 637.44	\$ 2,297.44	\$ 2,934.88	

Pond #4

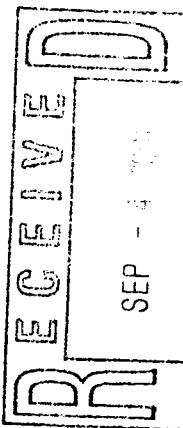
Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
784.0	0222782500	Ripping, trap rock, medium hard, 300 HP dozer, adverse co	B10M	650	0.018	C.Y.	\$ 376.32	\$ 1,356.32	\$ 1,732.64	1. Dozer removing diversion structures, tipping embankments.
Totals							\$ 376.32	\$ 1,356.32	\$ 1,732.64	

Pond #5

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
204.0	0222782500	Ripping, trap rock, medium hard, 300 HP dozer, adverse co	B10M	650	0.018	C.Y.	\$ 97.92	\$ 352.92	\$ 450.84	1. Dozer removing diversion structures, tipping embankments.
Totals							\$ 97.92	\$ 352.92	\$ 450.84	

Pond #6

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
3,296.0	0222782500	Ripping, trap rock, medium hard, 300 HP dozer, adverse co	B10M	650	0.018	C.Y.	\$ 1,562.08	\$ 5,702.08	\$ 7,284.16	1. Dozer removing diversion structures, tipping embankments.
Totals							\$ 1,562.08	\$ 5,702.08	\$ 7,284.16	



Surety Estimate Using CostWorks 1999 - Ash Grove Cement Co. - Leamington Plant & Quarry

Proposed Pond

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
6,608.0	0222782500	Ripping, trap rock, medium hard, 300 HP dozer, adverse conditi	B10M	650	0.018 C.Y.	\$ 3,171.84	\$ 1,431.84	\$ 14,603.68	1-Power removing diversion structures, tipping embankments.	
		Totals				\$ 3,171.84	\$ 1,431.84	\$ 14,603.68	1-Power removing diversion structures, tipping embankments.	

Ripping Road Under Crusher Conveyor Belt

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,371.0	0222782100	Ripping, trap rock, very hard, 460 HP dozer, adverse conditi	B10X	270	0.044 C.Y.	\$ 1,604.07	\$ 6,923.55	\$ 8,527.62	1-Ripping road under Crusher Conveyor.	
		Totals				\$ 1,604.07	\$ 6,923.55	\$ 8,527.62		

Ripping Exploration Roads SE of Quarry (Burma Road)

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
8,244.0	0222782100	Ripping, trap rock, very hard, 460 HP dozer, adverse conditi	B10X	270	0.044 C.Y.	\$ 9,645.48	\$ 41,632.20	\$ 51,277.68	1-Ripping road to Quartzite Quarry and Burma Road.	
		Totals				\$ 9,645.48	\$ 41,632.20	\$ 51,277.68		

Ripping The Remaining Portion of a Branch Road to The Process Facilities

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
323.0	0222782100	Ripping, trap rock, very hard, 460 HP dozer, adverse conditi	B10X	270	0.044 C.Y.	\$ 3,171.84	\$ 1,431.84	\$ 2,009.06	1-Ripping terminating part of branch road from the Quarry to the Process Facilities.	
		Totals				\$ 3,171.84	\$ 1,431.84	\$ 2,009.06		

Ripping on The West Side of The Quarry

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
5,550.0	0222782100	Ripping, trap rock, very hard, 460 HP dozer, adverse conditi	B10X	270	0.044 C.Y.	\$ 6,493.50	\$ 28,027.50	\$ 34,521.00	1-Ripping the roads on the west side of the Quarry.	
		Totals				\$ 6,493.50	\$ 28,027.50	\$ 34,521.00		

Ripping Road To Quartzite Quarry

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
3,872.0	0222782100	Ripping, trap rock, very hard, 460 HP dozer, adverse conditi	B10X	270	0.044 C.Y.	\$ 4,530.24	\$ 19,553.60	\$ 24,083.84	1-Ripping north of the Quarry.	
		Totals				\$ 4,530.24	\$ 19,553.60	\$ 24,083.84		

Ripping Road To Slacker/Reclaimer

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,371.0	0222782100	Ripping, trap rock, very hard, 460 HP dozer, adverse conditi	B10X	270	0.044 C.Y.	\$ 1,604.07	\$ 6,923.55	\$ 8,527.62	1-Ripping Branch road to the Slacker/Reclaimer.	
		Totals				\$ 1,604.07	\$ 6,923.55	\$ 8,527.62		

Reclamation Revegetation of Ultimate Disturbed Area

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Mat.	Bare Labor	Bare Equip.	Total	Note
11,543.0	0293085400	Seeding, utility mix, 7MM S.F., hydro or air seeding	B81	80	0.3 M.S.F.	\$ 31,661.00	\$ 79,646.70	\$ 86,572.50	\$ 477,880.20	1-Aerial seeding (approx 265 acres) of inaccessible land.	
12,240.0	0293085500	Seeding, utility mix, 7MM S.F., tractor spreader	B86	52	0.154 M.S.F.	\$ 88,128.00	\$ 49,082.40	\$ 47,001.60	\$ 184,212.00	1-Ground seeding (approx. 277 acres) accessible to ground equip.	
		Totals				\$ 399,789.00	\$ 129,729.10	\$ 133,574.10	\$ 662,092.20		

CostWorks SUBTOTAL: \$ 3,288,827.06

Additional items not accounted for in CostWorks:

Estimated amount of Composted Manure (10 tons/acre)	Quantity	Units	\$/unit	Total
General Site Clean-up & Trash Removal	279	acres	300	\$ 83,700.00
Reclamation Supervision	45	acres	50	\$ 2,250.00
	30	days	372	\$ 11,160.00
				SubTotal: \$ 3,383,937.06
10% Contingency				\$ 338,393.71
Escalate for 5 years at 3.27% per year				SubTotal: \$ 3,722,330.77
Rounded Surety Amount in Year 2004 dollars				\$ 649,726.55
				Total: \$ 4,372,057

Average Cost per Disturbed Acre (669 acres) = \$ 6,535.21